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## ON THE BIRDS OF THE ORINOCO REGION.

By COUNT HANS VON BERLEPSCH AND ERNST HARTERT.

(Plate XII.)

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THE following articles are principally based on the extensive collections of beautifully prepared birdskins brought together in 1897, 1898 and 1899 by Mr. George K. Cherrie and Mrs. Stella Cherrie on the Orinoco River.

The first station was made at **Altagracia**, about 160 miles west of Ciudad Bolivar or Angostura, the well-known capital of the Orinoco province. The country at Altagracia, as near Ciudad Bolivar, is vast rolling prairie. Then the collectors proceeded to **Quiribana de Caicara** and **Caicara**, farther up the river. The country there is already very hilly. From Caicara Mr. Cherrie followed the Orinoco, which there turns to the south, till **Perico**. Perico is near the former site of Atures. The latter place, according to Mr. Cherrie, no longer exists, except on maps. Atures was above the first rapids in the Orinoco, while Perico is just below them. The country for a radius of six or eight miles round Perico is exceedingly arid. "Nothing but bare rock, large areas without vegetation." There are, however, a few wooded valleys, but the chief resort for birds is the unhealthy, narrow strip of woods along the Orinoco. The next station where Mr. Cherrie collected is **Maipures**, not very far from Perico; then follows **Munduapo**. This place, and the country farther up the river to the **San Fernando de Atabapo** region, is very different from all the former places visited. The fauna presented to the collector a very different aspect. The country is dense virgin forest, mostly land that is flooded when the river is at its highest. Mr. Cherrie writes in one of his letters that Munduapo was the first place where he found the *Formicariidae* numerous, both in species and in individuals. Only a few birds were collected farther upwards than Munduapo, but from the latter place the collector, though much hampered by fever and revolution, sent a fair collection.

Mr. Cherrie also sent some nests and eggs, which are most conscientiously collected and in every case accompanied by the parent birds.

The skins have been divided between the Rothschild and the Berlepsch Museums, unique specimens, however, being in the former collection, where also the nests and eggs are preserved. The latter have been described (by Hartert) in every case, whether formerly known or not.

Besides the Cherrie collection, the Tring Museum has received a considerable number of skins from Mr. Samuel M. Klages. They are partly from **Ciudad Bolivar** or **Angostura**, partly from a place called **Suapure**, on the **Caura River**.

Quite recently the Tring Museum has also received a collection of 1800 skins from **La Pricion**, the **Nicare** (Nichare), a tributary of the Caura, and **La Union**, on

the Canra River. These skins were collected by Mr. E. André, and are of much interest, proving, as they do, together with those from Mr. Klages, that the ornithology of the Canra River differs to a certain extent from that of the Orinoco Valley.

Unfortunately, however, the far better part of Mr. André's collections, namely that made above the rapids and falls of Para, on the upper Merevari and on the grand isolated mass of Mt. Ameha, has been lost.

All the collectors were more or less unlucky. Mr. Cherrie and his wife suffered severely from fever, for which the Orinoco has a very bad reputation, and both he and Mr. Klages were considerably troubled, and had many losses and annoyances from some of the endless revolutions for which Venezuela is so notorious. Mr. André, through a serious accident in the rapids, lost the important collections of birds, plants and minerals from Mt. Ameha, photographs, notes and provisions, and very narrowly escaped starvation.

A short résumé of the results of the study of these collections will be given at the end.

### 1. *Turdus gymnophthalmus* Cab.

*Turdus gymnophthalmus* Cab. in *Schomb. Reise Brit. Guiana* iii. (1848) p. 665 (ex *La Guaira*, Caracas, Cayenne).

Caicara : February, March, May. " Iris chestnut. Feet smoke-grey. Bill dusky olive buff with light edges. Bare skin around eye citron-yellow " (Cherrie).

Quiribana de Caicara : April (Cherrie). Altigracia : January (Cherrie). Maipures : December (Cherrie).

(Nos. 8555, 9843, 10255, 10256, 10257, 10258, 10259, 10284, 10294, 10296, 10297, 10298, 10299, 10300, 10341, 10562, 10603, 11436, 12295 Cherrie coll.)

Ciudad Bolivar : June, December. " Iris mahogany red. Feet light grey, toes slightly tinged with red. Bill light yellowish green at base, shading off into the pale yellow colour of the tip. Bare skin around eyes light greenish yellow " (Klages).

A nest with two eggs was found by Cherrie at Caicara on May 10, 1898, on a horizontal branch of a tree, six feet from the ground, in dense undergrowth. It resembles a small blackbird's nest, the cup measuring only 9 to 10 cm. across, and being 5 cm. deep. It is lined with coarse rootlets. The eggs are indistinguishable from small examples of a certain very common variety of eggs of *Turdus pilaris*, being light greenish blue with reddish brown patches and some underlying mauve spots. They measure 30 by 20.2 and 29.5 by 20.8 mm.

### 2. *Turdus albiventer* Spix.

*Turdus albiventer* Spix, *Av. Bras.* i. (1824) p. 70 (ex prov. Minas Geraes and Para).

Caicara : February, March. " Iris vandyke-brown. Feet smoke-grey. Bill mouse-grey with yellowish edges " (Cherrie).

Altigracia : January, February, December (Cherrie).

(Nos. 8673, 8985, 9763, 9797, 9986, 10104, 10128, 10129, 10251, 10252, 10253, 10254, 10291, 10292, 10293, 10339, 10357, 10394, 10818 Cherrie coll.)

Ciudad Bolivar : August, November, December (Klages). " Iris dark yellowish orange. Feet grey. Bill brownish black with a marginal line of yellow-grey."



3. *Turdus fumigatus* Licht.

*Turdus fumigatus* Licht., *Verz. Doubl.* (1823) p. 38 (ex "Brasil")\*

Nericagua : April ; Maipures : December (Cherrie).

Munduapo : February. "Iris vandyke-brown ; feet smoky-grey ; bill mouse-grey."

(Nos. 11588, 12074, 12356 Cherrie coll.)

The specimens collected by Mr. Cherrie seem to agree with examples from Bahia, Brazil. There is perhaps a lighter form of this species inhabiting Trinidad and the Orinoco delta.

4. *Turdus phaeopygus* Cab.

*Turdus phaeopygus* Cab., *Schomb. Reise Brit. Guiana* III. (1848) p. 666 (Brit. Guiana).

Mountains west of Suapure (Klages) : April, May. "Iris light yellowish brown; feet ♂ 'darker yellow' (sic?), ♀ light grey ; bill black, mandible pale yellow at tip."

La Pricion on the Caura River : ♂ 19. ii. 1901 (E. André).

5. *Turdus aliciae* Baird

*Turdus aliciae* Baird, *Cass., Lawr. B. N. Am.* (1858) p. 217 (Mississippi region to Missouri). †

Quiribana de Caicara : April ; Maipures, December (Cherrie).

(Nos. 10739, 11621 Cherrie coll.)

Nicare and La Pricion on the Caura River : January, February (André).

6. *Mimus gilvus melanopterus* (Lawr.) (?)

[*Turdus gilvus* Vieill., *Ois. Am. sept.* II. (1807) p. 15 (Cayenne)].

*Mimus melanopterus* Lawr., *Ann. Lyc. N.Y.* V. (1849) p. 35 (Venezuela).

Altigracia : November, December (Cherrie).

Quiribana de Caicara : April (Cherrie).

Maipures : December (Cherrie).

(Nos. 8482, 8483, 8517, 8620, 8673, 8677, 8769, 8875, 8876, 8891, 8892, 8933, 8934, 8935, 8983, 9028, 9099, 10807, 11426 Cherrie coll.)

Ciudad Bolivar : June, July, August, December (Klages).

Cherrie calls the colour of the iris "clay colour," Klages calls it "citrine," "lighter grey" (juv.), and "yellow-grey," and in one, which he marks as being "remarkable on account of the colour of its eyes," he describes it as "yellow-orange."

Mr. Cherrie took a clutch of three eggs on April 21, at Quiribana de Caicara. They resemble the well-known *Mimus* eggs, and measure 27 by 19.5, 25.6 by 19.5, and 25.6 by 19.8 mm.

♂ ♂ ad.	al. 119, 117,	caud. 130, 128, 127,	culm. 21, 20 $\frac{3}{4}$ ,	tars. 35 $\frac{1}{2}$ ( <i>bis</i> ), 35
	115, 112.	125, 120.	20 $\frac{1}{2}$ , 20 ( <i>bis</i> ),	( <i>bis</i> ), 34.
♀ ♀ ad.	114, 114,	130, 130, 128,	20 $\frac{3}{4}$ , 19 $\frac{1}{2}$ ,	34 $\frac{1}{2}$ , 33, 32 $\frac{1}{2}$ ,
	112, 108.	116.	19, 18 $\frac{3}{4}$ .	32.

\* As typical habitat accepted : Bahia.

† As typical habitat accepted : Mississippi.

Length of white tip to outermost tail-feather 44 to 39 mm.

Compared with specimens from British Guiana and with a skin from Surinam (in Mus. H. v. B.), the Orinoco birds differ in the following particulars: The upper parts are of a much clearer grey, or of a much less brownish tint, the white apical portions of the outer tail-feathers are longer and the bills shorter and weaker.

The type of *M. melanopterus* Lawr. might have come from the coast region of Venezuela. In that case Orinoco skins ought to be compared with examples of that special country. Specimens from Cumana have bills of various length, and in that respect are often similar to examples of *M. gilvus rostratus* from Curaçao which nevertheless show the upper parts always of a darker tint.

### 7. *Donacobius atricapillus* (L.).

*Turdus atricapillus*, Linn., *Syst. Nat.* ed. xii., I. (1766) p. 295 (ex Brisson, hab. Cap. bon. spei—errore. We substitute Eastern Brazil)

Mato River: ♂ ♀ 3, 7. iii. 1900. "Iris light yellow orange, feet grey, bill black." (S. M. Klages).

The male has two white-tipped feathers on each side behind the upper ear-coverts. There is also in the Tring Museum a specimen with indications of a white line behind the eye from Venezuela, and one with an incomplete white streak from Peru, another said to be from Bahia. This would indicate that *D. alborittatus* Lafr. & d'Orb. (from Bolivia) is merely a subspecies.

### 8. *Campylorhynchus griseus* (Swains.).

*Furnarius griseus* Swainson, *Anim. in Menag.* (1838) p. 325 (Savannahs of Guiana)

Atlagracia: ♂ 17. vi., ♂ 23. xi., 22. xi., ♀ 6. xii., ♂ 8. xii., ♂ ♀ 22. xii., ♀ 9. xi., ♂ ♀ 25. xi., ♀ 22. xii., ♀ 10. i.

Caicara: ♂ 28. ii., ♂ ♀ 27. vi., nest and eggs. "Iris vandyke-brown (scal); feet slaty; bill black above, pale below."

(Nos. 8542, 8676, 8784, 8805, 8846, 8847, 9054, 9055, 9096, 9307, 9355, 9356, 9357, 9358, 9609, 10300, 10305, 10306, 10977, 10978 Cherrie coll.)

Swainson's original description leaves no doubt that the birds which are named *bicolor* in the British Museum (from Guiana) are his *griseus* and not those called *griseus* in that Museum. Our birds from the Orinoco agree perfectly with those from Guiana in the British Museum, there erroneously named *bicolor*.

Mr. Cherrie writes: "A nest was taken (♂ and ♀ shot) at Caicara on June 27. Both parents were much excited and scolded me soundly. The nest was, as usual, old and dilapidated, while a new nest was within four inches on the same small tree. The nest was only about eight inches above the ground. The eggs were incubated." The eggs, five in number, are of a glossy brownish brick-red, darker spots being traceable. Others are whitish red, the brick-red patches leaving some of the ground-colour free. They measure: 24.5 by 18.5, 24.5 by 17.4, 24 by 17.5 mm.

Another nest was found on April 10. It is a large loose oval structure, about 26 cm. long, with the entrance laterally near the top, as in our wren's nest, and composed of dry grass. The three eggs are similar to those described above.

9. *Campylorhynchus minor* (Cab.).

*Heleodytes minor* Cabanis, *Mus. Hein.* I. p. 80 (1851) (Venezuela).

Ciudad Bolivar: ♂ juv. I. x., ♂♂ ad. 6. xii. "Iris dull light brown: feet dark grey; maxilla black; mandible greyish white, margined with black, brown at tip." (Klages).

Berlepsch has compared the type of *Heleodytes minor*, kindly lent by Mr. Heine, and found it to agree fully with our specimen from Ciudad Bolivar.

Hartert compared these specimens with a skin from Caripé and found them quite similar, except that the latter is of a deeper rufous on the back and rump.

Berlepsch examined the type of *C. bicolor* Pelz., belonging to the Vienna Museum, and found it identical with specimens received in Bogota collections. *C. bicolor* has the upper parts of the body blackish brown as in *C. minor* Cab., from which it differs mainly in its larger size, and in the want of the rufescent edgings to the wing feathers.

10. *Campylorhynchus nuchalis* Cab.

*Campylorhynchus nuchalis* Cabanis, *Orn. Not. in Arch. f. Naturg.* xiii. (1847) p. 206 ("Venezuela").

Altagracia: ♂♂♀ 3. i. (in moult), ♂ 15. xi., ♂♂ 19. xi. (all in much worn plumage, partly moulting).

Juv. (with the pileum uniform blackish brown) (Altagracia) ♂♀ 15. xi., ♂ 18. xi., ♀ Caicara 24. ii. "Iris pearl-grey; feet slate; bill blackish above, greyish below, and with pale edges."

(Nos. 8635, 8636, 8637, 8638, 8716, 8722, 8723, 8783, 8976, 9051, 9114, 9115, 9482, 9483, 9484, 9485, 10238 Cherrie coll.)

11. *Henicorhina leucosticta* (Cab.).

*Cyphorhinus leucostictus* Cab. *Orn. Notiz. in Arch. f. Naturg.* xiii. (1847) p. 206 (ex Guiana\* and Papantla in Mexico.)

Nicare, Caura R.: ♂ ad. 18. i. 1901 (E. André coll.).

Agrees perfectly with specimens from Bartica Grove, Rio Carimang and Camacsa, collected by the late H. Whitely in British Guiana.

12. *Microcerculus caurensis* sp. n.

*M. corpore supra rufescenti umbrino-brunneo plumis singulis apice indistincte nigro marginatis, gula jugulo pectoreque fumoso-griseis, gula pallidiore, ventre rufo-brunneo, medio griseo mixto et indistincte fusco fasciato; alis tectricibusque alarum superioribus majoribus nigro-brunneis, tectricibus majoribus fascia lata anteaicali alba, mediis punctulo albo ad apicem signatis, rectricibus obscure brunneis, lineis indistinctis nigris fasciatis. Subcaudalibus rufo-brunneis indistincte nigro fasciatis et pallide brunneo variegatis, maxilla nigra, mandibula pallida apice fusca, pedibus fuscis.*

Al. 61½, caud. 22½, culm. 16½, tars. 21½ mm.

Obs. *M. M. bambla* dicti affinis, sed gula jugulo pectoreque pallidioribus grisescentibus absque fasciis nigris, corpore supra pallidiore et rufescentiore nec regulariter nigro fasciato, fascia tectricum alarum alba multo latiore, necnon mandibula pallidiore distinguendus.

\* We fix British Guiana as the typical habitat.

Habitat in regione fl. Orinoco or. : distr. Caura.

Typus in Mus. Tring.

Nicare, Caura : ♀ 18 Jan. 1901. E. André legit.

This bird, of which M. André obtained but a single specimen, seems to be closely allied to *M. bambla* from Guiana and *M. albogularis* from Ecuador. From the former it differs by having the throat whitish grey and the foreneck and chest of a much paler grey, with but very slight indications of dusky bands ; by the abdomen being very indistinctly banded with brownish cross-bars : by the upper parts of the body being of a much lighter and more rufescent brown, with very slight indications of blackish edgings to the tips of the feathers ; also by the white wing-bands being a little broader, and by the presence of distinct small white spots at the tips of the medium upper wing-coverts, which are altogether wanting or only indicated in *M. bambla*. From *M. albogularis* it differs by the throat being not pure white, but pale or whitish grey, by the shorter wing, shorter tarsus, less barred breast and abdomen, and more rufescent upperside.

### 13. *Thryophilus albipectus* Cab.

*Thryophilus albipectus* Cab. in Schomburgk's *Reise Guiana* iii. (1848) p. 673 (Cayenne).

Snagare on the Caura R. : ♀ 20. xii. 99. (S. M. Klages coll.)

La Pricion, Caura : December, January, February, 1900, 1901.

La Union, Caura : December (♂). (E. André).

Nicare : ♂ 18. i. 1901. (E. André).

"Irides brown ; upper mandible black, lower grey ; feet and toes medium grey." (E. André).

### 14. *Thryophilus albipectus* subsp.

(Cf. *antè*.)

♂ Perico : 20. xi. 1898.

♂ Maipures : 6. xii. 1898. " Iris (in both) mummy brown ; feet plumbeous ; bill blackish above, slaty below."

(Nos. 11293, 11355 Cherrie coll.)

The two skins from Perico and Maipures, collected by Mr. Cherrie, closely resemble typical *Thr. albipectus*, but are much deeper rufescent on the sides of the body, thighs, vent and under tail-coverts. The wing seems to be about 3 mm. longer, the upperside, especially the rump, very deep rufous.

We refrain for the present from bestowing a name on this subspecies, and we trust that a review of the genus *Thryophilus*, by Mr. Carl Hellmayr, which we understand is passing through the press now, will soon enlighten us on the various species and subspecies of this interesting group. We may, however, mention that the birds from the Peruvian Amazons (Ucayali, Pebas, etc.), which are united with *albipectus* in *Cat. B. Brit. Mus.* vi. p. 207 (there erroneously called *leucotis*), are different again, being very dark, very short-winged, and very closely barred on the wings.

### 15. *Thryophilus albipectus hypoleucus* Berlp. & Hart.

[*Thryophilus albipectus* Cabanis in *Schomburgk's Reise Guiana* iii. (1848) p. 673 (Cayenne)].

*Thr. albipectus hypoleucus* Berlepsch & Hartert, *Bull. B.O.C.*, vol. xii., Oct. 1901.

*Thr. Thr. albipectus* dicto simillimus, differt corpore subtus fere omnino albo, hypochondriis erissoque solummodo rufescenti-olivaceo tinctis, corpore superiore

etiam pallidior, minus brunnescente. Habitat in regione fluminis Orinoco centralis. *Typus* in Mus. Tring, ♂ Altagracia, 6. i. 1898, no. 9550.

There is no doubt, in our opinion, that the name *Thr. albipectus* must be accepted for the form inhabiting the coast regions of Cayenne and Guiana, and that Lafresnaye's name *T. leucotis* [*Rev. Zool.* 1845 p. 338—"Colombia aut Mexico"! ] belongs to a different form. The description "supra griseo-murinus" [*l.c.*] does not at all agree with the birds we call *albipectus*. *Thr. leucotis* proper is evidently a mountain form from Colombia, which is not rare in Bogotá collections (Mus. Tring and Berlepsch), but before the type of Lafresnaye is studied it will be somewhat difficult to apply his name correctly.

The distribution of *Thr. albipectus* and its allies is most interesting, but at present somewhat puzzling. The typical *albipectus* in our sense inhabits the coast-region of Cayenne and British Guiana (Quonga, Annai, Whitely coll., in Mus. Berlepsch and Mus. Britann.). Berlepsch and Hellmayr have examined entirely similar examples from the Rio Negro and Rio Branco, and Hartert has before him a dozen specimens from Nicare and La Pricion on the upper Caura River (collected by Mr. E. André of Trinidad), and one female from Snapure on the Caura River (Klages coll., Mus. Tring), which agree fully with typical *albipectus*. There are also occasionally specimens found in Bogotá collections, which are very much like typical *albipectus*, but their exact locality is of course not known.

From typical *albipectus* our large series of *Thr. albipectus hypoleucus* from the middle course of the Orinoco differ at a glance by their nearly uniform white underside, the flanks and under tail-coverts only being suffused with rufescent-olivaceous. The upper surface is also paler, not so deep rufous-brown. In some specimens there is a very slight rufescent suffusion on the breast. A quite young bird (Altagracia, 12. xi. 1897, ♂, No. 8593, Cherrie coll.), has the breast and abdomen as whitish as adult birds. We have the following specimens before us:—

Altagracia: ♂ 6. i. (type), ♂♂ 11. xi., ♂♂ 4. xi., ♂ 7. i., ♂♂ juv. 12. xi. (somewhat more rufous on the abdomen, but very slightly so), ♀♀ ad. 4. xi. (very much worn), ♀ 28. xii. (in moult) (all Cherrie coll.).

Caicara: ♀♀ 7. v., ♀ 17. iii., ♂ 21. ii. (Cherrie coll.).

Quiribana de Caicara: ♀ 5. iv. (Cherrie coll.).

Ciudad Bolivar: ♂♀ May, December (Klages coll.).

Mr. Cherrie marks the iris as "mummy brown: feet plumbeous; bill blackish above, slaty below."

The wings of our *males* measure 66½, 66, 65½, 64 mm.; tails 48½, 48, 47½, 45½ mm.; culm. 18¾, 18½, 17½, 16½ mm.; metatarsus 23½, 23, 23, 22½ mm. ♀♀: wing, 62, 60½, 60, 60½ mm.; tail, 46½, 46, 44, 45 mm.; culmen 17½, 16½, 16¾, 16¾ mm.; metatarsus, 22½, 21¾, 21½ mm.

(Nos. 8459, 8460, 8461, 8568, 8593, 8594, 8725, 9294, 9436, 9437, 9438, 9550, 9570, 9655, 9701, 9789, 9923, 10195, 10510, 10516, 10612, 10900, 10950, Cherrie coll.)

#### 16. *Thryothorus griseipectus caurensis* subsp. nov.

[*Thryothorus griseipectus* Sharpe, *Cat. B. Brit. Mus.*, vi. 1881 p. 236 (Nauta, Peruvian Amazons).]

*Thryothorus*, *T. griseipectus* dicto simillimus, sed corporis lateribus minus rufescentibus, pileo obscuriore, rostro inferiore nigrescentiore distinguendus.

The specimens from the Caura River are very closely allied to typical *Thr. griseipectus*, but the abdomen is greyish white, or whitish grey, only the



sides being washed with rufous brown, while in typical *Thr. griseipectus* the sides are chestnut rufous, and the greyish white area in the middle of the abdomen is more restricted. The under tail-coverts in the Canra birds are also mostly less rufous, more brownish, uniform in some, more or less barred in others. The under mandible appears quite whitish in all the Nauta specimens, slaty or blackish grey in those from the Canra. In the skins there is no marked difference in the colour of the upper and under mandibles, while in the Nauta skins the upper mandible looks blackish, the lower one whitish. The crown is darker, more blackish brown, in the Canra skins. In the majority of specimens the ear-coverts are also more striped with white, and the back is darker rufous, but these two characters are not evident in all individuals.

From *Thr. amazonicus* Sharpe our *Thr. gris. cauensis* differs at a glance by the greyish, not rusty fulvous abdomen, more greyish chest and smaller bill.

Hartert has compared the type and a co-type (the latter in the Tring Museum) of *Thr. amazonicus* and a series of eight *Thr. griseipectus*, all from Nauta. He, however, is not quite certain, that *Thr. amazonicus* (with a fulvescent chest) is different from *Thr. griseipectus*, which, like our *cauensis*, has a greyish chest. *Thr. genibarbis* and its allies can easily be distinguished by the sharply defined white malar stripe which is separated from the throat by a black line.

*Hab.* Canra River, type ♂ Nicara, 12. i. 1901.

La Union, Canra R. : ♂ ad. 18. xii. 1900 (E. André.)

La Pricion, Canra R. : 2 December, February, 1900, 1901. (E. André.)

Nicare, Canra R. : ♂ ♀, 12, 18. i. 1901. (E. André.)

" Iris brown, upper mandible black, tip of lower black, rest silvery grey, feet dark slate.

" Iris brown, upper mandible black, lower dark grey, feet greyish-brown."

### 17. *Troglodytes musculus clarus* nom. nov.

[*Troglodytes musculus* Naumann, *Vög. Deutschl.* iii. (1823) p. 724 (table) (Bahia!).]

*T. rufulus* aut., nec Cab. ex Guiana!

*T. furrus* aut., ex Guiana.

Altagracia : ♂ ♂ ♀ 22. xi., ♂ 20. xi., 3 ♂ ♂ 2. xii., ♂ 6. i., ♂ ♀ 30. xi., ♂ 17. xi., ♂ 16. xi., ♂ 7. i., ♀ 9. ii., ♀ 26. xi. (Cherrie).

Ciudad Bolivar : ♂ ♀ 25. vi. ; Snapure : ♀ 22. vi., ♂ 26. vii. (Klages). " Iris dusky brown, seal-brown, dark sepia ; feet dusky slate, or plumbeous ; bill blackish above, slaty below " (Cherrie).

La Pricion : Canra R. ♂ xii. 1900. (E. André.)

(Nos. 8469, 8528, 8668, 8680, 8756, 8786, 8787, 8861, 8943, 8944, 8973, 8974, 8975, 9125, 9405, 9549, 9563, 9683 Cherrie coll.)

*T. m. clarus* is a new name proposed for the pale form of *T. musculus* inhabiting British Guiana and the Orinoco region of Venezuela and perhaps Trinidad too (*type* : in Mus. Berlepsch, Bartica Grove, Brit. Guiana ad. 27 November 1879, no. 8578). This form has been sometimes called *T. furrus* (Gm.), or *T. rufulus* Cab. Regarding *T. furrus* Gm. (based on the Brown Warbler of Brown's *Illustr. Zool.*, described and figured without indication of habitat) we agree with Mr. Widmer Stone (*Pr. Ac. N. Sc. Philad.* 1899, p. 310) that it cannot be identified satisfactorily, but regarding *T. rufulus* Cab. it seems that Mr. W. Stone has overlooked altogether the remarks on that species of Mr. Salvin in the *Ibis*, 1885, p. 201. *T. rufulus* Cab., known to us from specimens collected on the Roraima by Mr. H. Whitely, is quite

a distinct species, and has nothing to do with *T. musculus* Naum. and its allies. It stands quite alone, but is perhaps nearest to *T. solstitialis* and its kindred, being, however, a giant form in comparison with them.

*T. m. clarus* may be known from true *musculus* by the following diagnosis : *T. musculus* dicto maxime affinis, differt corpore subtus fere omnino albescente nec rufescente, corporis lateribus et tectricibus subcandalibus solummodo rufescente brunneo lavatis, his distinctius nigro maculatis seu fasciatis, corpore superiore etiam pallidior magis grisescente brunneo distinguendus.

### 18. *Polioptila nigriceps* Baird.

*Polioptila nigriceps* Baird, *Rev. Amer. Birds* (1864) p. 69 (Mazatlan, Mexico) ; Hellmayr, *Nov. Zool.* 1901, pp. 357, 358.

*Polioptila sclateri* Sharpe, *Cat. B. Brit. Mus.* x. p. 449 (Venezuela).

Altagracia : 3 ♂♂ 12. xi., ♂ 6. xi., ♂ 25. xi. (moulting), ♂ 5. xi., ♂ 2. xii., ♂♀ 24. xii., ♂♀ 24. xii. (Cherrie).

Maipures : ♂ 6. i. (Cherrie). "Iris dusky or seal-brown ; feet slate or seal-brown ; bill black above, deep plumbeous below."

(Nos. 8477, 8491, 8492, 8588, 8589, 8590, 8852, 8919, 8969, 9048, 9226, 9227, 9258, 9315, 9352, 9376, 9378, 9426, 9427, 9440, 10062, 11683 Cherrie coll.)

Ciudad Bolivar : ♀ 28. v., ♀ 2. vi., ♂ 30. vii., ♂ 30. xi. (Klages).

Snapure : 27. v. (Klages).

Mr. Hellmayr, who has studied the genus *Polioptila* with great care, is now convinced that his *P. antecularis* is untenable (*Nov. Zool.*, 1901, p. 358). *P. sclateri* is merely *P. nigriceps* in worn plumage. Several of Cherrie's specimens show broad white margins and at the same time narrow greyish edges to some of the secondaries on the same wing.

### 19. *Dendroica aestiva* (Gm.).

*Motacilla aestiva* Gmelin, *Syst. Nat.* I. (1788) p. 996 (Cayenne, Canada!) . (We accept Canada as the typical habitat.)

Altagracia : ♂ ad. (moulting) 21. i. 1898. "Iris seal-brown ; feet dusky yellowish ; bill blackish slate above, dusky slate below."

"♀" (juv.!) 24. xi., ♀♀ 25. xi. "Iris seal-brown ; feet dusky yellowish ; bill dusky above, pale below."

♀ 3. xi., ♀ 12. xi. ♂ (jnn., moulting) 6. i., ♀ 10. i. (Cherrie).

(Nos. 8452, 8529, 8585, 8813, 8844, 8845, 9467, 9523, 9551, 9600, 9757, 9802, 9851, 9890, 9891, 9908, 9992, 10059 Cherrie coll.)

Snapure : ♂ 20. xii. 1899. "Iris brown ; feet translucent yellowish white ; bill black ; margins and tip of lower bill yellowish."

♀ 3. iv. 1900. "Iris dark grey ; feet pale greyish yellow ; bill dark brown and greyish white" (Klages).

La Pricion, La Union, Caura R., January, February (André).

### 20. *Dendroica striata* (Forst.).

*Muscicapa striata* Forster, *Phil. Trans.* lxxii. (1772) p. 406. (Severn River, Hudson's Bay.)

Quiribana de Caicara : 3 ♂♂ ad. 8. iv., 18. iv., 25. iv. ; 3 ♀♀ 18. iv., 24. iv., 8. iv., ♀ 10. xii.

Perico ♂ (juv.) 21. xi. "Iris seal-brown ; feet dusky olive-yellow ; bill blackish above, slaty below" (Cherrie).

(Nos. 10654, 10731, 10732, 10763, 10776, 10777, 10778, 10779, 10819, 10820, 10821, 10878, 11300 Cherrie coll.)

4 ♂♂ ad. Suapure : April (Klages).

♀♀ Suapure : March (Klages).

La Pricion, Caura : February (André).

### 21. *Seiurus noveboracensis* (Gm.).

*Motacilla noveboracensis* Gmelin, *Syst. Nat.* i. (1788) p. 958 (Louisiana).

Perico : ♂♀ 21. xi. "Iris dusky brown or seal-brown; feet drab brown; bill seal-brown."

Altagracia : ♀♀ 15. i., 1. ii.

Caicara : ♀ 5. iii., ♂ 21. ii., ♀ 19. iii., ♂ 21. x., ♂ 23. x.

(Nos. 9718, 9922, 10197, 10377, 10382, 10528, 11247, 11257, 11301, 11302, 11330, 12243 Cherrie coll.)

Puerto Samoro : ♀ 24. xi.

Nericagua : ♂ 24. iii.

La Pricion, Caura : February (E. André).

### 22. *Parula pitiayumi* (Vieill.)

*Sylvia pitiayumi* Vieillot, *Nouv. Dict. d'Hist. Nat.* xi. p. 276 (1817). (Paraguay.)

Altagracia : ♂♀ 13. i., ♂ 4. ii. "Iris seal-brown; feet yellowish drab; bill black above, pale below.

(Nos. 9672, 9673, 9990 Cherrie coll.)

In *Cat. B. Brit. Mus.*, x. p. 260 Dr. Sharpe remarks, that the birds from "Bolivia, Pern, Ecnador, Colombia, Venezuela, and Guiana are darker and more richly coloured, showing a decided approach to *P. inornata*," and that "it is to this dark race that von Berlepsch has applied the name of *P. pacifica*, the synonyms appertaining to it having been marked with a dagger." This note is not quite correct. *P. pitiayumi pacifica* Berl. from West Ecnador (Mus. Berlepsch, Tring\*) is a very distinct subspecies, showing an approach to *P. pitiayumi inornata* in the restrictions of the white on the wing-coverts. The birds from Venezuela and Guiana, on the other hand, do not at all belong to *P. pit. pacifica*, having as much white as typical *pitiayumi* from Paraguay. Venezuelan and Guianan examples (large series in Mus. Berlepsch and Tring) are perhaps generally smaller and often richer in colour than Paraguayan and Brazilian ones, and may form another subspecies, but they belong never to *pacifica*.

### 23. *Granatellus pelzelni* ScL.

*Granatellus pelzelni* Sclater, *P.Z.S.* 1864 p. 607 (Rio Madeira).

Suapure : ♂ 12. ix. 1899. "Iris dark brown; feet dark grey; maxilla black; mandible dark blue-grey" (Klages).

Munduapo : ♀ 18. ii. 1899. "Iris dark; feet plumbeous; bill above blackish, below plumbeous" (Klages).

La Pricion, on the Caura River : 4 ♂♂ ad., 3 ♂♂ juv., 3 ♀♀ ad., February 1901, E. André coll. ♂♀ ad. : "Iris black; upper mandible blackish; lower mandible grey; feet and toes medium grey."

\* *Parula pitiayumi* Hartert, *Nov. Zool.* V. p. 479, refers to *P. pitiayumi pacifica*.

Nicare, Caura : ♂♂ ad., ♂ jnv., ♀♀ ad. (E. André).

La Union, Caura : ♂ jnv., 20. xii. 1900 (E. André).

The young *male* is like the adult *female*, but slightly deeper rust-colour below.

#### 24. *Geothlypis aequinoctialis* (Gm.).

*Motacilla aequinoctialis* Gm., *Syst. Nat.* i. (1788) p. 972 (Cayenne).

Quiribana de Caicara : ♂ ad. 2 April, ♂ ad. 27. iv.

Altigracia : ♂ ad. 28. i., ♀ 22. i.

Perico : 14. ix., 22. xi. "Iris dark seal, feet olive-buff, bill black above, pale below."

(Nos. 9534, 9535, 9606, 9607, 9740, 9771, 9892, 10587, 10845, 11161, 11162, 11310 Cherrie coll.)

#### 25. *Basileuterus mesoleucus* ScL.

*Basileuterus mesoleucus* ScL., *P.Z.S.* 1865 p. 286 (Demerara).

Suapure : ♂♂ 14. iv., 4. ix. '99 (Klages). "Iris grey, feet light yellow-orange, bill white and black."

#### 26. *Setophaga ruticilla* (L.).

*Motacilla Ruticilla* Linn., *Syst. Nat.* Ed. X. i. (1758) p. 186 (ex Catesby, Virginia).

Quiribana de Caicara ♀ 29. 4. '98, ♂ 16. iv., ♀ 21. iv., 18. iv.

(Nos. 10533, 10780, 10877 Cherrie coll.)

#### 27. *Hylophilus thoracicus griseiventris* subsp. nov.

[*Hylophilus thoracicus* Temm., *Pl. Col.* 173. fig. 1 (Dec. 1829) (Bresil, coll. Natterer.)]

*H. H. thoracicus* dicto *simillimus*, differt abdomine pure albo-griseo nec fulvescente lavato, colore viridi pectoris obscuriore et angustiore nec ad latera corporis producto, alis caudaque multo brevioribus, rostro attamen longiore. Suapure : al. 55½, caud. 46, culm 12¾, tars. 18½ mm. Habitat in Venezuela, Brit. Guiana et in Colombia (?). Typus in Mus. Tring : ♂ Suapure.

Suapure : ♂♀ 2. xi. 1899 (Klages). "Iris lighter orange yellow or orange, feet pale purplish grey, bill, max. and top of mand. brown, mand. shades off to nearly white at base."

The pair collected by Mr. Klages at Suapure, as well as specimens from British Guiana (collected by Whitely), are different from a Rio specimen of true *H. thoracicus* in Mus. H. v. B. by having the abdomen pure whitish ash without any fulvous tint, in the green of the breast being darker, less yellowish and more restricted, not prolonged to the sides of the body, by the wings and tail being much shorter, the bills on the contrary somewhat longer. A Bogotá skin in Mus. Berlepsch seems to belong to the same race, although it has the occiput much less suffused with greyish and the under tail-coverts more mixed with yellowish.

Mr. Gadow (*Cat. B. Brit. Mus.* viii. p. 307) erroneously described the northern form (viz. our *thoracicus griseiventris*) as true *H. thoracicus* Temm., and believed that the southern race should be *H. pectoralis* ScL. This error has arisen from the fact that Selater in his original description of *H. pectoralis* in *P.Z.S.* 1866, p. 321, has confounded the localities of *H. thoracicus* and *H. pectoralis* (cf. Pelz. *Orn. Bras.* p. 70 Anm. 2).

*H. pectoralis* Scl. is not a southern species, but a northern and western one, inhabiting Matto Grosso and the Amazons, from where it extends to British Guiana. Berlepsch has a specimen from the latter country, collected by the late H. Whitely, which proves that *H. thoracicus griseiventris* and *H. pectoralis* are distinct species, being found together in the same country. *H. pectoralis* is easily recognisable by having the whole pileum, including the forehead, of a pure grey, while in *H. thoracicus* and in *H. thoracicus griseiventris* the forehead is always olivaceous, the occiput only being more or less suffused with dark grey, and by the pectoral band being of a much clearer yellow, not yellowish green as in the other species.

Mr. André also obtained a male of *H. thoracicus griseiventris* at La Pricion, 13. xii. 1900.

### 28. *Hylophilus ferrugineifrons* Scl.

*Hylophilus ferrugineifrons* Selater, *P.Z.S.* 1882 p. 110 (Colombia).

Nericagua: ♂ 31. iii., ♂ 3. iv. "Iris greyish creamy; feet plumbeous grey; bill above blackish, below greyish drab."

Mundnapo: ♂ 1. iii., ♂ 12. iii. (Cherrie).

(Nos. 12145, 12191, 12351, 12381 Cherrie coll.)

Suapure, Cauca R.: ♂ 28. x., ♂ 10. xi., 4. xi. (Klages).

Nicare: January; La Pricion: December (André).

### 29. *Hylophilus muscicapinus* Scl. & Salv.

*Hylophilus muscicapinus* Selater & Salvin, *Nomencl. Ar. Neotr.* (1873) p. 156 (Cayenne).

Suapure, Cauca R.: ♂ 12. v., ♂ 6. xii., ♀ 24. iii. "Iris brown; feet light grey; maxilla brown-black; mandible white at base, slightly more greyish at tip" (Klages).

La Union and Nicare on the Cauca (André).

### 30. *Hylophilus flavipes acuticauda* (Lawr.)

[*Hylophilus flavipes* Lafr., *Rev. Zool.* 1845 p. 342 (Bogotá).]

*Hylophilus acuticauda* Lawr., *Proc. Ac. Nat. Sc. Philad.* 1865 p. 37 (Venezuela, coll. Nash).

Attagracia: ♀ 5. i., ♂ 15. i., ♀ 24. i., "♀" juv. 24. i., ♂ 31. i., ♂ juv. 5. ii., ♂ (ad.) 5. ii., ♂ 29. xii. (Cherrie).

(Nos. 8653, 9270, 9435, 9519, 9520, 9716, 9781, 9782, 9783, 9784, 9909, 9944, 10019, 10108, 10144, 10277, 10518, 10642 Cherrie coll.)

Caicara: ♂ 2. ii., ♂ 16. ii., ♂ 18. iii., ♀ 26. ii., ♂ 7. iv. "Iris drab; feet pale flesh-colour; bill dusky above, pale below." Very old birds have the bill nearly quite black, young birds pale brownish (Cherrie).

Ciudad Bolívar: ♀ ad. 29. xii. "Iris brown; feet light sanguineous grey; maxilla black; mandible black with light grey tip."

♀ jun. 30. xi. "Iris brown; feet pale purplish grey; maxilla brown; mandible whitish." ♂ ♀ 13. vi. (Klages).

These birds with dark brownish buff underparts agree well with Lawrence's description of *H. acuticauda*, and are quite distinct from the very yellow *H. hypoxanthus* Pelzeln, with which they have been frequently united.



Mr. Allen (*Bullet. Am. Mus. N. H.* XIII. (1900), p. 172) has put *H. acuticauda* Lawr. as a synonym of *H. flavipes* Lafr., having compared the types of both these species.

While we fully agree with Mr. Allen in his statement, viz. that *H. acuticauda* Lawr. is quite different from *H. aurantiifrons* Lawr., with which it has been generally united, it is nevertheless evident that Venezuela specimens (= *H. acuticauda* Lawr.) can be always distinguished from Bogotá specimens (= *H. flavipes* Lafr.), of which we have a large series before us, by having the abdomen much more buffy whitish, much less yellowish, and the breast more suffused with brownish grey, less brownish. The upper parts are also somewhat darker in the Venezuelan birds, and the feet are more brownish, less yellowish. We must therefore look on *H. acuticauda* as a subspecies of *H. flavipes*.

### 31. *Vireo chivi* (Vieill.).

*Sylvia chivi* Vieill., *N. D.* XI. (1817) p. 174 (Paraguay).

Caicara : ♂ 2. iii., ♂ 28. February, ♂♂ ♀ 12. March, ♂ 9. March. "Iris brick-red ; feet plumbeous ; bill blackish above, plumbeous below" (Cherrie).

Quiribana de Caicara : ♂ 7. April, ♀ 15. April.

Altagracia : 24. xi.

Ciudad Bolivar : ♀ ♀ 8. viii.

(Nos. 8821, 9966, 10126, 10267, 10340, 10399, 10427, 10428, 10465, 10466, 10467, 10468, 10469, 10554, 10641, 10738, 12421 Cherrie coll.)

Suapure : ♂ 29. vii. (Klages).

La Pricion, Caura : February, December (André).

### 32. *Vireolanius leucotis chlorogaster* (Bp.)?

[*Malaconotus leucotis* Swains., *Anim. in Menag.* (1838) p. 341.]

*Vireolanius chlorogaster* Bonap., *Comptes Rendus* xxxviii. (1851) p. 381 (typ. in Mus. Brit., ex Cayenne).

Suapure : ♂ 13. April 1900 (Klages legit) ; al. 70½, cand. 53, culm. 20¼, tars. 22½ mm. "Iris light blue-green ; feet grey ; bill, maxilla black ; mandible light grey."

We have no Cayenne specimens to compare with, but the single skin from Suapure differs from one from Eastern Ecuador by showing the breast and abdomen of a paler or more greenish yellow, the jugulum and breast being distinctly striped with greenish spots not to be seen in the other bird. Further, the green of the back is somewhat darker, the grey of the pileum darker and more restricted, the bill longer and heavier, the tail also longer.

### 33. *Cyclorhis flavipectus* Scl.

*Cyclorhis flavipectus* Scl., *P.Z.S.* 1858 p. 448 (ex Trinidad, Venez., Colomb. litt.).

Altagracia : ♂ 4. xii., ♀ 15. xii., ♀ 3. ii., ♀ ♀ 5. xi., ♂ 18. xii. "Eye tawny ochraceous ; feet pale vinaceous buff ; bill drab above, plumbeous below" (Cherrie).

Caicara : ♂ 2. iii., ♂ 25. iii.

Urbana : ♀ 28. viii.

(Nos. 8525, 8987, 8988, 9011, 9022, 9229, 9282, 9468, 9522, 9687, 9706, 9795, 9960, 10178, 10335, 10557, 11148, 11191 Cherrie coll.)

Ciudad Bolivar : ♂ 3. vi. (Klages).

Snapture : ♀ 25. v. (Klages).

Some specimens with a purer grey on the pileum and less extension of yellow on breast, with a paler or more greenish tint on it, approach *C. guianensis*.

A nest was taken at Urbana on August 28 by Mr. Cherrie. It contained one fresh egg. The nest was placed in the top of a small tree on a submerged island in the Orinoco, six feet above the water. The parent bird sang at the top of his voice while the boat stopped to take the nest. The nest hangs in the fork of a branch, like the nest of the European oriole (*Oriolus galbula*). Its bottom and sides are thin, and it is composed of dry grasses and fibres, outwardly sparingly covered with cotton-wool and little white spider-webs. The cup is about 3½ cm. deep, and measures about 7 cm. across. The egg is of a quite glossless white, sparingly covered with small deep red-brown spots and minute dots. It measures 23.6 by 16.5 mm.

#### 34. *Progne chalybea* (Gm.).

*Hirundo chalybea* Gmelin, *Syst. Nat.* i. (1788) p. 1026 (Cayenne).

Quiribana de Caicara : ♀ ♀ 26. iv., ♂ 6. iv.

Altagracia : 3 ♂ ♂ 24. xii., ♀ 22. xii.

(Nos. 9349, 9381, 9382, 9383, 9384, 9385, 10615, 10632, 10633, 10634 Cherrie coll.)

Snapture : ♂ 23. ii., ♀ 8. iv. (Klages).

“ Iris seal-brown ; feet blackish ; bill black ” (Cherrie).

“ Iris brown ; feet and bill black ” (Klages).

Two *males* from Altagracia, 24. xii., have a large white patch on the side of the neck, one on the left, the other on the right side.

#### 35. *Progne subis* (L.).

*Hirundo Subis* Linn., *Syst. Nat.* Ed. X. (1758) p. 192 (Hudson's Bay, ex Edwards).

Snapture : ♂ ad. 26. iii., ♂ 4. iv., ♀ 4. iv. (Klages).

#### 36. *Progne tapera* (L.).

*Hirundo tapera* Linn. *Syst. Nat.* Ed. XII. i. p. 345 (1766) (America\*).

Caicara : ♀ juv. 4. vii. (No. 11045 Cherrie coll.)

Snapture : ♀ ♀ March 16, ♀ 30. iv. (Klages). “ Iris brown, feet and bill black ” (Klages).

#### 37. *Tachycineta albiventer* (Bodd.).

*Hirundo albiventer* Bodd. *Tabl. Pl. Enl.* (1783) p. 32 (Cayenne).

Altagracia : ♂ ♂ 24. xii., 3 ♂ ♂ 3 ♀ ♀ 22. xii., ♂ ♀ 31. xii., ♀ 4. ii. (breeding).

(Nos. 9340, 9341, 9342, 9343, 9344, 9345, 9346, 9347, 9377, 9378, 9379, 9380, 9470, 9471, 9989, 10234 Cherrie coll.)

Caicara : ♂. 24. ii. “ Iris seal-brown, feet and bill black.”

Mato River : ♂ ♀ 24. ii., ♂ 25. ii. (Klages).

Snapture : ♂ 31. v. “ Iris dark-grey ; bill and feet black ” (Klages).

\* We substitute the habitat : Brasil. or. (ex Macgr.).

38. *Atticora melanoleuca* (Wied).

*Hirundo melanoleuca* Wied., *Reise Brasil*. i. (1820) p. 342 (Rio Belmonte, Brazil).

Caicara : 6 ♂♂, 6 ♀♀, 12. ii.

Altigracia : ♂ 22. xii. " Iris blackish ; bill and feet black."

(Nos. 9348, 10028, 10029, 10030, 10031, 10032, 10033, 10034, 10035, 10036, 10037, 10038, 10039, 10081 Cherrie coll.)

Mr. Cherrie has sent us a fine series of this rare species, which had not yet been recorded from Venezuela.

Mr. E. André sent also eight specimens from La Pricion and La Union, on the Caura River.

39. *Atticora fasciata* (Gm.).

*Hirundo fasciata* Gmelin, *Syst. Nat.* i. p. 1022 (1788) (Cayenne).

Mato River : 3 ♂♂, 2 ♀♀ 24. ii. " Iris dark brown ; feet and bill black" (Klages).

Nicare, on the Caura : ♂♂ 20. i. " Iris dark blue; bill and feet black" (André).

40. *Stelgidopteryx ruficollis uropygialis* (Lawr.).

[*Hirundo ruficollis* Vieillot, *Nour. Dict. Hist. Nat.* xiv. (1817) p. 523 (Brésil)].

*Cotyle uropygialis* Lawrence, *Ibis* 1863 p. 181 (Isthmus Panama).

Caicara : ♂ 1. iii., ♂ 5. iii., ♂ 21. iii., ♂ 24. ii., ♀ 12. ii., ♀ 5. iii.

Altigracia : 4. ii.

(Nos. 9885, 10040, 10236, 10327, 10383, 10384, 10537, 10538 Cherrie coll.)

" Iris seal-brown ; bill and feet black."

La Pricion, Caura R. : ♂ 15. ii. (André).

41. *Chlorophanes spiza* (L.).

*Motacilla spiza* Linn. *Syst. Nat.* Ed. X. (1758), p. 188 (ex Edw., Surinam) excl. var. ♂.  
(Cf. Hart. Nov. Zool. 1898 p. 481.)

Suapure : ♂ ad. 10. xi., ♂ ad. 28. x., ♂ juv. 23. x., ♀ 10. xi.

♂ ad. : " Iris dark red ; feet dark grey ; bill black ; mandible light yellow orange."

Nicare, Caura : 3 ♂♂, 1 ♀ 22. i. 1901 (E. André).

42. *Dacnis cayana* (L.).

*Motacilla cayana* Linn. *Syst. Nat.* Ed. XII. (1766) p. 336 (excl. syn. Hernandez!) (ex Cayenne. Mexico. Cayenne accepted by us as typical habitat).

Maipures : ♂ ad. 10. xii., ♂ ad. 17. xii., ♂ ad. 19. xii., ♂ 28. xii., ♂ 28. i., 3 ♂♂ 7. xii., ♀ 9. xii., ♀♀ (Cherrie). " ♂: Iris claret-brown ; feet vinaceous cinnamon ; bill black with basal three-quarters of mandible smoke-grey." " ♀ Iris dusky ; feet and bill as in *male*."

(Nos. 11376, 11377, 11378, 11405, 11416, 11504, 11535, 11636, 11789, 12184, 12185 Cherrie coll.)

Suapure : ♂ 28. x., ♂ 2. i., ♀ 3. i., ♀ 4. iv., ♀ 19. xii. (Klages).

♂♂ ad., ♂♂ juv. Nicare, January, La Union, December, La Pricion, December (André).

43. *Dacnis flaviventris* D'Orb. & Lafr.

*Dacnis flaviventris* D'Orb. & Lafr., Syn. Av. in *Mag. de Zool.* vii. (1837) p. 21 (Yuracares, Bolivia).

Nicare, Caura R. : ♀ ad. 22. i. 1901. "Irides red, mandibles black, feet and toes slate" (E. André).

Hartert has compared the unique specimen from the Caura River with the series in the British Museum, and found it to agree very well with them.

44. *Cyanerpes caerulea cherriei* subsp. nov.

[*Certhia caerulea* Linn. *Syst. Nat.* Ed. X. (1758) i. p. 118 (Surinam)].

*Cyanerpes*, *C. caerulea microrhyncha* dictac simillimus, sed omnino minor, colore caeruleo subtus dilutiore, minus violaceo tincto.

Munduapo : ♂♂ ad. 20. ii., ♂ ad. 23. ii. ♀ 28. ii. 99. Nericagna : ♀ 8. iv. 99.  
*Typus* : Munduapo 23. ii. (no. 12087 Cherrie coll.).

The wing of the Munduapo *males* is only about 53 to 55 mm. long, that of *C. caerulea microrhyncha* Berlp. (*J. f. O.* 1884, p. 287, *typus* ex Bucaramanga) 56 to 58; the tail is about 25 against 28 to 31 in *C. c. microrhyncha*, and the bill is also shorter. The blue on the undersurface is slightly lighter and clearer blue, less tinged with violet. The blue colour of the forehead and cheeks agrees with that of Bogotá specimens, while examples from Pt. Cabello agree in this respect fully with those from Guiana.

The *females* differ from those of typical *C. caerulea* and *C. caerulea microrhyncha* in their smaller size—bill 16, wing 54.5, tail 26 mm. The pale striations on the forehead and crown are rather sharp and well developed; the green of the upperside, especially on the rump, is apparently a shade darker.

(Nos. 12017, 12018, 12087, 12136, 12480 Cherrie coll.)

45. *Coereba nitida* (Hartl.).

*Coereba nitida* Hartl., *Rev. Zool.* 1847 p. 84 (Peru).

Snapure : ♂ ♀ 28. x. 1900 (Klages coll.).

Nicare, Caura R. : 8 ♂♂ 22. i. 1901 (E. André).

46. *Coereba luteola* (Cab.).

*Certhiola luteola* Cabanis, *Mus. Hein.* I. (1850) p. 96 ("Pto. Cabello?")

Altagracia : ♂ ad. 29. xi., ♂ ad. 5. xi., ♂ juv. 27. xi., ♂ juv. 24. xi., ♂ ad. 13. xii., ♂ ad. 3. xii., ♂ ad. 7. xii., ♂ 10. xi., ♂ 8. xi., ♂ ad. 17. xi., ad. 5. xi., ♂ 17. xi., ♀ juv. 13. xi.

Caicara : ♂ ad. 28. ii. "Iris seal-brown; feet slaty; bill blackish. Iris dusky brown; bill black. Iris dark sepia; bill black."

(Nos. 8479, 8480, 8550, 8551, 8617, 8683, 8684, 8788, 8819, 8890, 8922, 8937, 8979, 9003, 9047, 9054, 9072, 9171, 10303 Cherrie coll.)

Ciudad Bolivar : ♂ juv. 29. ix., ♀ (?) 28. xi., ♂ ad. 30. xi., ♀ ad. 16. xii. "Iris brown; feet and bill black" (Klages).

47. **Coereba guianensis** (Cab.).

*Certhiola guianensis* Cab., *Mus. Hein.* I. (1850) p. 97, Anm. (Typus ex Guiana).

Snappure, Caura R. : ♂♂ ad. ♀ Nov. 1899, juv. 15. v. 1899 (Klages coll.).

♂ ad. al.  $57\frac{1}{2}$  ; cand. 37 ; culm. 12 ; tars.  $16\frac{1}{4}$  mm.

♀ ad. al.  $52\frac{1}{2}$  ; cand.  $29\frac{1}{2}$  ; culm.  $12\frac{1}{2}$  ; tars. 15 mm.

This form has been most erroneously united with *Coereba chloropyga*. The adult *males* from Snappure agree perfectly with a *male* collected by H. Whitely on the Merumé Mountains, British Guiana. The *female* has the back of a lighter, more greyish brown-black, and shows a small white speculum at the base of the primaries.

48. **Euphonia chlorotica** (L.).

*Tanagra chlorotica* Linn., *Syst. Nat.* Ed. XII. (1766) I. p. 317 (ex Briss.—“Cayenne”).

Caicara : ♂♂ ad. 26. ii., ♂♂ ad. 9, 21. iii., ♀♀ ad. 2. iii., ♂ juv. 2. iii.

Quiribana de Caicara : ♂♂ ad. 8. iv., ♂ ad. 4. iv.

Majpures : ♀ ad. 19. xii.

Altigracia : ♀ ad. 2. ii. “Iris dark sepia ; feet slaty ; bill blackish above ; slaty below” (Cherrie).

The *females* have the underparts deep yellow, slightly washed with olive on the breast and flanks, not white in the middle as in *E. chl. violaceicollis* (Cab.).

(Nos. 9945, 10270, 10271, 10280, 10281, 10346, 10347, 10354, 10424, 10425, 10536, 10569, 10609, 10661, 10662, 11091, 11532 Cherrie coll.)

49. **Euphonia trinitatis** Strickl.

*Euphonia trinitatis* Strickl., *Contr. Orn.* 1851 p. 72 (Trinidad).

Cindad Bolivar : 3 ♂♂ 6, 21. xii., ♂ juv. 16. xii., ♀ 4. viii. (Klages).

Altigracia : ♀ ad. 25. xi. (No. 8843 Cherrie coll.)

“♂ ad. iris dark brown ; feet black ; maxilla black, except sides of base, which are lighter blue-grey ; mandible light blue-grey except tip, which is black.”

Caicara : ♂ ad. 26. iii. ; ♀ 10. iii. (Nos. 10438, 10568 Cherrie coll.)

It is remarkable that this species occurs together with *E. chlorotica* in the same locality.

50. **Euphonia olivacea** Desm.

*Euphonia olivacea* Desm., *Hist. Nat. Tang.* (1805) pl. xxvii. (descr. ♀) (Typus ex Cayenne).

*Euphonia minuta* Cab. in *Schomb. Guiana* iii. (1848) p. 671 (descr. ♀) (Brit. Guiana).

Nicare, Caura R. : ♂ 22. i. 1901.

“Irides black, mandibles black, feet and toes slate” (E. André).

Agrees best with a specimen from Camacusa, British Guiana (H. Whitely coll.), but differs by having the abdomen of a somewhat clearer yellow, the white crissum less shaded with ochre-yellow, and by presenting slightly larger dimensions.



51. *Euphonia violacea* (L.).

*Fringilla violacea*, Linn., *Syst. Nat.* Ed. X. (1758) I. p. 182 (Hab. in calidis regionibus). typ. in Mus. Ad. Frid. (We take Surinam as the typical habitat!)

Snappure: ♂ ad. 9. iv., ♂ ad. 22. iv., ♀ ad. 25. x. ♂ ad.: "Iris brown; feet light grey; bill black; base of mandible light grey along the sides" (S. M. Klages).

La Pricion: ♂ ♂ ♀ ♀ February, December (E. André).

La Union: ♂ ♂ December (E. André).

52. *Euphonia melanura* Sel.

*Euphonia melanura*, Sel., *Contr. Orn.* 1851 p. 86 (Rio Negro).

Maipures: ♂ ♀ ad. 17. xii., ♂: "Iris seal; feet dark slate; bill black above, slate-grey below."

(Nos. 11496, 11497 (Cherrie coll.))

53. *Euphonia rufiventris* (Vieill.).

*Tanagra rufiventris* Vieillot, *Nour. Diet.* vol. xxxiii. (1819) p. 126 (Loc. ignot. et "Brésil").\*

Munduapo: ad. 24. ii., ♀ 13. ii., ♀ 24. ii. "♂ Iris seal-brown; feet slate-colour; bill black; basal half of cutting-edge of maxilla and basal three-quarters of mandible slaty grey."

Nicare: ♂ ♂ ♀ ♀ January, La Pricion: ♂ ♂ December (E. André).

The Munduapo specimens seem to have rather small bills.

(Nos. 11927, 12095, 12096 (Cherrie coll.))

54. *Euphonia chrysopasta* Sel. & Salv.

*Euphonia chrysopasta* Sel. & Salv., *P.Z.S.* 1869 p. 438 (*Ucayali* and Rio Napo).

Maipures: ♂ ad. 16. xii., 3 ♂ ♂ ad. 17. xii., ♂ ad. 19. xii., ♀ ad. 6. i., ♀ ad. 14. xii., ♀ ♀ ad. 17. xii., ♀ 19. xii.

Munduapo: ♂ 15. iii. "♂ ad. Iris sepia; feet slate; bill blackish above, slate below (♀ the same)."

Snappure: ♂ (moulting) 27. vi. (Klages).

La Pricion: ♂ ♂ ♀ ♀ ad. December, February (E. André).

(Nos. 11464, 11481, 11482, 11483, 11498, 11499, 11500, 11501, 11502, 11531, 11533, 11680, 12211, 12219, 12508, 12509, 12530, 12531 (Cherrie coll.))

55. *Tanagrella iridina* (Hartl.).

*Tanagra iridina* Hartl., *Rev. Zool.* 1841 p. 305 (Prov. Moyobamba, Peru).

Snappure: ♂ 3. iv. 1900. "Iris dark grey; feet and bill black" (Klages).

56. *Calliste paradisea* (Sw.).

*Aglaia paradisea* Swains., *Class. Birds* II. (1837) p. 286 (ex Buff. *Pl. Enl.* 127. f. 1.—Cayenne).

*Calliste tatao* aut.†

Snappure: ♂ ad. 6. iii.; ♀ ad. 6. iii. "Iris very dark brown; feet black; bill black" (Klages).

Nicare (Caura): 9 ♂ ♂ ad., ♀ ad., and juv., 22. i. (E. André).

\* We take *Rio de Janeiro* as the typical habitat.

† The specific title *tatao* Linn. is to be refused because the diagnosis given by Linnaeus is evidently taken from Maregrave's *Tanagra brasiliensis*, which is probably = *Calliste fastuosa* (Less.), the term itself being chosen from "*Aricida de Tatao*" of Seba, an obscure bipi, which is certainly not this species.

57. *Calliste xanthogastra* Sel.

*Calliste xanthogastra* Sel. *Contr. Orn.* 1851, pp. 23, 55 (Upper Amazons).

Nicare, Canra : ♀ (immature) 22. i. 1901. "Irides dark blue, mandibles black, feet and toes slate" (E. André).

The specimen is evidently not adult. The rump is uniform green, there is no blue wash on the back, the yellow on the abdomen is rather pale.

58. *Calliste cayana* (L.).

*Tanagra cayana* Linn., *Syst. Nat.* Ed. XII., I. p. 315 (1766) (ex Briss. "Cayenne").

Atlagracia : ♂ ad. 6. i., ♂ ad. 17. xii., ♂ ad. 20. xi., ♂ ad. 11. xii., ♂ ad. 20. xii., ♂ ad. 22. ii., ♀ 11. xii., ♀ 11. i., ♂ juv. 29. xii. "Iris dark sepia ; feet light slate ; bill blackish above, slaty below" (Cherrie).

(Nos. 8762, 9045, 9167, 9168, 9266, 9446, 9554, 9631, 9632, 9946, 10210, 10338, 10362, 10398, 10519, 10520, 10521, 10679, 11547 Cherrie coll.)

Ciudad Bolivar : ♂ 30. xi., ♂ 23. vi., ♀ 1. xii., ♀ 20. vii. (Klages).

Quiribana de Caicara : ♀ ad. with nest and egg, 9. iv.

The nest is loosely built of dry twigs, roots and grasses, lined inside with very fine hair-like grass and large pieces of greenish-white lichen.

The egg is whitish-brown, finely speckled all over, more thickly on the thick end, with rufous brown, and measures 20 by 15.1 mm.

59. *Calliste mexicana media* subsp. nov.

[*Tanagra mexicana* Linn., *Syst. Nat.* Ed. XII., I. (1766) p. 315 excl. syn. Hernand. (Cayenne ex Briss., Mexico—errore !).]

*C. C. mexicana* dictae simillima differt pectore medio abdomineque intensius sulphureis (nec albo-sulphureis), necnon humeris (tectricibus alarum superioribus minoribus) purius caerulescentibus (nec viridescenti-caeruleis), colore cyaneo gulae et capitis laterum quoque intensiore (intermedia quasi inter *C. mexicana* et *C. vieillotii* dictis).

Habitat in regione orenocensi.

Typus in Mus. Tring. ♂ Maipures 12. xii. (No. 11451 Cherrie coll.)

♂♂ : al. 74, 74, 74, 72, 71 ; eand. 53½, 52¾, 52, 50½, 50½ ; culm. 10¾, 10¼, 10, 9½, 9¼ ; tars. 17½, 17½, 16½, 16½, 15½. No. 11451, Cherrie. ♀ : al. 69½ ; eand. 50½ ; culm. 9¾ ; tars. 16¾ mm.

Maipures : ♂ ad. 24. ix., ♂ ad. 16. xii., ♂ ad. 17. xii., 3 ♂♂ ad. 12. xii., 3 ♂♂ 16. xii., ♀♀ 17. xii. "Iris seal ; feet and bill black."

Perico : ♀♀ 2, 4. ix.

(Nos. 11220, 11221, 11451, 11452, 11453, 11473, 11475, 11477, 11478, 11479, 11480, 11505, 11506, 11507 Cherrie coll.)

The birds from Maipures and Perico are intermediate in colour between specimens from Surinam in Mus. H. v. B. and Tring (true *mexicana*), and specimens from Trinidad (and the eastern littoral of Venezuela ?) (= *C. vieillotii*) ; they are nevertheless nearer to the former than to the latter. Compared with the Surinam birds, they show the middle of the breast and the abdomen of a purer or deeper sulphur yellow (instead of whitish yellow), the shoulder patch of a purer coerulean blue (not so greenish blue), and the cyanine blue of the throat and sides of the head also deeper.

La Pricion : ♂♂ 13. xii. (André coll.) These specimens agree fully with those from Maipures and Perico.

60. *Calliste nigrocincta* (Bp.).

*Aglaia nigrocincta* Bonaparte, *P.Z.S.* 1837 p. 121 (Brazil, bordering on Peru).

Suapure : ♂ ad. 20. v. " Iris brown ; bill and feet black." ♂ juv. 20. v.,  
♂ juv. 23. ii., ♀ 23. ii. (Klages).

Nicare : ♂♂ ♀ January, 1901 (André coll.).

61. *Tanagra cana* Swains.

*Tanagra cana* Swainson, *Orn. Draw.* (1841), pl. 37 (no habitat given. We take Venezuela as the typical habitat).

Quiribana de Caicara : ♀ ad. with nest and egg, 13. iv.

Altagracia : 3 ♂♂ 12. i., 20. xi., 15. xii. ; 3 ♀♀ 11. i., 21. xii. " Iris dark brown ; feet slaty ; bill blackish above, slaty below " (Cherrie).

Caicara : ♂ 25. iii. ; ♀ 15. xii.

(Nos. 8763, 8834, 9228, 9322, 9323, 9326, 9626, 9627, 9656, 9741, 9889, 9928, 9948, 10081, 10082, 10106, 10326, 10556, 10717 Cherrie coll.)

Ciudad Bolivar : 3 ♂♂ i. x., 23. xii., 2. xii. (Klages).

La Union : ♂ 18. xii. 1900 (André).

Specimens from Central America differ considerably, and may be separated as *T. cana diaconus* (Less.).

62. *Tanagra palmarum melanoptera* (Scl.).

*Tanagra melanoptera* Scl., *P.Z.S.* 1856 p. 235 (E. Peru, etc.).

Altagracia : ♂♀ 21. xii.

Caicara : ♂ 3. iii., ♂♂ 15. ii., ♀ 12. iii. (Cherrie).

Ciudad Bolivar : ♂ 2. vii., ♂♀ 26. xii. (Klages).

" Iris seal ; feet slate-grey ; bill black " (Cherrie).

(Nos. 8790, 9324, 9325, 9326, 10082, 10083, 10084, 10342, 10343, 10361, 10474, 10475, 10523, 10564 Cherrie coll.)

La Pricion : December (E. André).

The specimens from the Orinoco and Guiana have very long wings. On a future occasion we hope to discuss the various forms of *T. palmarum* at length.

The nest (parent bird 10717) stood on an oak tree in the open savannah, twenty feet above the ground, concealed in a clump of small twigs and green leaves. The parent birds were very shy. The nest is very thick-walled, consisting of dry twigs and stems of small plants, lined with finer twigs and grasses. The egg (one broken) is of a dirty flesh-colour, all over thickly covered with liver-brown and underlying pale purplish grey spots and patches, and measures 23.1 by 16.8 mm.

63. *Ramphocelus jacapa* (L.).

*Tanagra jacapa* Linn., *Syst. Nat.* Ed. XII., I. (1766) p. 313. (f. *Surinam* ex Edwards, 2. Cayenne ex Brisson).

Perico : ♂♂ ad., ♀ ad. 23. ix., ♂ ad. 24. ix., ♂♂ ad., ♂ juv. 22. ix.

Maipures : ♂ ad. 12. xii. ; ♂ ad. 24. xii.

Samborge : ♀ 16. ix.

Munduapo : ♂ juv. 28. ii.

Caicara : ♀ 16. ii.

“Iris seal-brown; feet slaty black; bill above black; basal three-fourths below of mandible pearl-grey.” “Iris bright seal; iris claret-brown. ♀, feet blackish.” (Cherrie.)

(Nos. 10105, 11167, 11183, 11184, 11185, 11186, 11187, 11188, 11189, 11206, 11207, 11208, 11214, 11434, 11599, 12138 Cherrie coll.)

Snapture: ♂ (med.) 26. vi. “Iris dull red, like feathers on throat; feet black; bill—maxilla black, mandible whitish, tipped with black.” ♂ ad. 29. x., ♂ ad. 4. xii.; ♂ ad. 20. xii. (Klages).

La Pricion: ♂♂♀ February, December (E. André).

#### 64. *Piranga rubra* (L.).

*Fringilla rubra* Linn., *Syst. Nat.* Ed. X., I. (1758) p. 181 (ex Catesby—*Carolina*, Virginia).

*Piranga aestiva* (Gmelin).

Maipures: ♂ not quite adult, moulting, 28. i. '99, ♀♀ 24. xi. '98, 26. i. '99. “Iris seal, feet slate-grey, bill above dusky sepia brown, below dusky olive buff.” (Nos. 11327, 11761, 11799 Cherrie coll.)

#### 65. *Tachyphonus rufus* (Bodd.).

*Tanagra rufa* Bodd., *Tabl. Pl. Enl.*, (1783) p. 44 (Cayenne).

*Oriolus melaleucus* Sparrm., *Mus. Carls.*, no. xxxi. (1787).

*Tachyphonus melaleucus* Sel., *Cat. B. Brit. Mus.* XI. p. 206 (1886).

Caicara: ♂ ad. 18. ii., ♂ ad. 23. ii., ♂ ad. 30. i., ♂ ad. 7. iii., ♀ ad. 15. ii., ♀ ad. 23. ii., ♀ ad. 18. ii., ♀ 7. iii., ♀ 1. vii.

“♂ ad.: Iris seal-brown; feet black; maxilla black, mandible plumbeous, with black tip. ♀ dusky brown; bill black; plumbeous at base of mandible; feet slate-colour” (Cherrie).

Ciudad Bolivar: ♂ ad. 20. xii., ♂ ad. 1. xii., ♀♀ 28. xi. (Klages).

La Pricion: ♂ ad. 8. ii. 1901 (André).

(Nos. 10078, 10123, 10138, 10139, 10212, 10213, 10214, 10334, 10363, 10395, 10396, 10422, 11025, 11028, 11029 Cherrie coll.)

#### 66. *Tachyphonus luctuosus* Lafr. et D'Orb.

*Tachyphonus luctuosus* Lafr. et D'Orb., *Syn. Ar. in Mag. Zool.* 1837 p. 29 (Typus ex Guarayos, Bolivia).

Snapture: ♂ ad. 13. iv. 1900 (Klages).

La Pricion: ♂♂ 14. 16. xii. 1900 (E. André).

Nicare: ♂, January 1901 (E. André).

La Union: ♂♂ 18. xii., ♀ 20. xii. 1900 (E. André).

“♂ Irides chestnut (♀ irides brown), bill and feet dark slate, or black” (E. André).

These specimens agree with others from Bolivia, though the latter (*males*) are generally of a more dead black with less bluish lustre. Probably the two forms can be separated subspecifically, but it is desirable to have more detailed knowledge of the changes connected with age and season.

67. *Tachyphonus cristatus* (Gm.).

*Tanagra cristata* Gml., *Syst. Nat.* I. 1. (1788) p. 898 (ex Briss. & Buff.—Cayenne).

Suapure: 2 ♂♂ ad. 20 Oct. 1900 and 21 Feb. 1899, ♀♀ 9. iv., 6. iii. '99.  
 "Iris brown, feet and bill black" (Klages coll.)

Al. 78—76, caud.  $67\frac{1}{2}$ — $66\frac{1}{2}$ , culm. 15— $14\frac{3}{4}$ , tarsi.  $17\frac{1}{2}$  mm.

Nicare: ♂♂ 22. i. 1901 (E. André).

La Pricion: ♂ 1. ii. 1901 (E. André).

These specimens agree best with specimens found in Bogotá collections, though they differ from them by having the red crest somewhat shorter and bordered anteriorly by a band of a lighter creamy colour (not so rufescent), by having the fulvons of the lower back somewhat paler and the wings and tail somewhat shorter.

From Mr. Selater's remarks (*Cat. Birds Brit. Mus.* xi. p. 211) it appears that specimens from Bogotá are identical with a Cayenne bird in the Salvin-Godman collection. In case, however, that the former differ from Cayenne specimens, they ought to be called *T. cristatus cristatellus* (Sel.), the name *cristatus* remaining for the Cayenne form. A series from Cayenne is necessary to decide this question, and also whether our birds belong to the typical form or not.

68. *Tachyphonus surinamus* (L.).

*Turdus surinamus* Linn., *Syst. Nat.* Ed. XII. (1766) i. p. 297 (ex Briss.—ex Surinam).

Nicare: 6 ♂♂ January 1901 (André).

Suapure: 3 ♂♂ ad. 27 April, 28 June, 9 Nov., and a young ♀ 27 April, 1899.

Iris brown, dark brown; feet and bill black.

♀ juv.: "Iris dark grey, feet light blue-grey, bill brownish at base of mandible, but nearly altogether black."

♂♂ ad. Al.  $86\frac{1}{2}$ — $82\frac{1}{2}$ , caud. 77—75, culm.  $16\frac{1}{2}$ —16, tarsi.  $18\frac{1}{2}$ — $17\frac{1}{2}$  mm.

These birds agree perfectly with trade skins generally called Trinidad skins, but which may come from the Orinoco delta.

A specimen from Cayenne in Mus. H. v. B. does not differ except by possessing a little longer creamy yellow crest and somewhat longer tail. Specimens found in Bogotá collections lack the yellowish plumes at the sides of the breast, but do not seem to differ otherwise from the Suapure skins. The colour of the uropygium appears to be very variable.

A series from Cayenne is necessary to confirm the constancy, or otherwise, of these differences.

69. *Nemosia flavicollis* Vieill.

*Nemosia flavicollis* Vieillot, *Nouv. Dict.* XXII. (1818) p. 491 (Amér. méridionale). We take Cayenne as the typical habitat.

Suapure: ♂ ad. 11. iv., ♂ ad. 12. iv. "Iris brown; feet dark grey; maxilla black, mandible pinkish white." ♂ ad. 2. iv., "♀" (an potius ♂ juv.!) 12. x. ♀ ad. 28. iv. (Klages).

Nicare (Caïra R.) 4 ♂♂ 22. i. 1901 (E. André).



70. *Thlypopsis sordida* (Lafr. & Orb.).

*Nemosia sordida* Lafr. et d'Orb., *Syn. av.* I. (1837) p. 28 (Yuracares in Bolivia).

Capuchin : ♂♂ ad. 21. viii. " Iris seal-brown ; feet plumbeous ; bill slate-grey above, plumbeous below " (Cherrie).

El Fraile : ♀ 3. ix.

Altigracia : ♀ 12. xi. '97 ; ♀ ? 28. i. '98.

(Nos. 8586, 8587, 9879, 11142, 11143, 11151 Cherrie coll.)

71. *Arremon silens* (Bodd.).

*Tanagra silens* Bodd., *Tabl. Pl. Ent.* (1783) p. 46 (Cayenne).

Maipures : ♂ ad. 26. i., ♂ ad. 26. xii., ♂ ad. 28. xii., " ♀ " (plumage as in ♂ ad.), 6. xii., ♀ 5. iv., ♀♀ 9. xii., ♀ 12. xii., ♀ 26. xii., ♀ 28. xii. " Iris seal ; feet pale grey ; bill black " (Cherrie).

(Nos. 11354, 11399, 11400, 11450, 11470, 11565, 11610, 11611, 11640, 11641, 11760, 11852, 11879, 12419 Cherrie coll.)

Suapure : ♂ ad. 30. iv., ♂ ad. 25. v. " Iris grey ; feet very pale grey ; bill black " (Klages).

La Pricion, Nicare, La Union : December, February, January (André).

72. *Saltator olivascens* Cab.

*Saltator olivascens* Cabanis, in *Schomb. Br. Guiana* III. (1848) p. 676 (Brit. Guiana).

Altigracia : ♂ ad., ♂ juv., 7. i., ♂ ad. 8. i., ♂♂ ad. 10. i., ♂ ad. 15. i., ♂ ad. 8. xii., ♂ ad. ♀ 16. xi., ♂ ad. 24. xi., ♂ (moulting) 29. xi., ♂ juv. 8. xii. ♂ ♀ 24. xi. (moulting), ♀ 11. xi., ♀ 29. xii.

Caicara : ♂ juv. 19. ii., ♂ ad. 24. ii., ♀ ad. 14. ii. " Iris dark sepia (or vandyke brown) ; feet slate ; bill blackish (or dusky olive)" (Cherrie).

(Nos. 8499, 8538, 8556, 8566, 8656, 8671, 8829, 8830, 8916, 9035, 9097, 9098, 9225, 9311, 9444, 9574, 9575, 9597, 9615, 9620, 9726, 10069, 10177, 10235 Cherrie coll.)

Ciudad Bolivar : ♂ ad. 27. xi., ♂? (moulting) 8. xii., ♀ juv. 30. vii., ♀ 16. vi. (Klages).

73. *Saltator magnus* (Gm.).

*Tanagra magna*, Gm. *Syst. Nat.* I. p. 890 (1788) (ex Buff.—Cayenne).

Maipures : ♀ 17. xii. " Iris dark sepia ; feet slate ; bill blackish above, slate below " (Cherrie).

(No. 11495 Cherrie coll.)

Suapure : ♂ ad. 12. x., ♀ 22. ii., ♀ 27. x.

Mountains west of Suapure : ♀ 4. v. " Iris brown ; feet dark grey ; maxilla and tip of mandible black ; rest of bill blue-grey " (Klages).

La Pricion, February ; Nicare, January (E. André).

74. *Saltator orenocensis* Lafr. (Plate XII., fig. 3.)

*Saltator orenocensis* Lafr., *Rev. Zool.* 1846 p. 274 (l'embouchure de l'Orénoque).

Altigracia : ♂ ad. 28. ii., ♂ ad. 6. xi., ♂ ad. 21. xi., ♂ ad. 14. xii., ad. 27. xi., ♀♀ ad. 19. i., ♀ (moulting) 12. xi., ♀ ad. 9. xii., ♀ ad. 17. xi.

Caicara: ♂ ad. 18. ii., ♂ ad. 10. v., ♂ ad. 25. iii., ♀ ad. 25. iii., ♀ 21. ii.  
 "Iris sepia brown; bill blackish slaty above, plumbeous below; feet slaty."  
 "Iris dark raw mber: feet slaty; bill black." "Iris dusky brown; feet blackish;  
 bill black above, slate below" (Cherrie).

(Nos. 8489, 8597, 8598, 8694, 8884, 8885, 8980, 8981, 9110, 9197, 9198, 9445,  
 9521, 9599, 9619, 9742, 9743, 9877, 10146, 10190, 10191, 10547, 10548, 10907  
 Cherrie coll.)

Ciudad Bolivar: ♂♂ ad. 3. vi., ♀ 4. vi., ♀ 15. vi. "Iris dark brown; feet  
 black; maxilla black; mandible black at tip and margin, becoming lighter towards  
 base, which is very pale slate-grey" (Klages).

Mr. Cherrie sent us a large series of this beautiful species, which is still rare in  
 collections. Through Mr. André the Tring Museum has also received a dozen skins  
 collected at San Felix, in the state of Cumana, Venezuela, in March 1898.

The nest was found on May 10, at Caicara (parent bird no. 10907 Cherrie coll.).  
 It was placed among the tops of a thick clump of canes, about seven feet above the  
 ground. Both parents were moving about in great excitement, and breaking into  
 full song every few minutes. The nest is a large loose structure of broad grasses,  
 sedge, and twigs, without a particularly soft lining. It measures outside about  
 14 cm., the cup about  $7\frac{1}{2}$  cm. across, 5 cm. deep. The single egg reminds one of a  
 large *Carpodacus* egg, being light greenish blue, with a few minute purplish black  
 spots near the thick end. It measures 24 by 17.5 mm.

#### 75. *Cissopis leveriana* (Gm.).

*Lanius leverianus* Gm., *Syst. Nat.* i. 1 (1788) p. 302 (ex Latham, loc. ignot.—We supply *Cayenne*  
 as the typical habitat).

La Pricion, Caura R.: ♂ ♀ 13, 14. xii. 1900.

"Irides bright yellow, beak and feet black. Native name 'Troupial  
 moutanero'" (E. André).

#### 76. *Schistochlamys atra* (Gm.).

*Tanagra atra* Gmelin, *Syst. Nat.* I. i. p. 898 (1788) (ex Bnff.—"Cayenne").

Maipures: ♂ ♀ ad. 26. xii., ♂ 29. xii.

Perico: ♂ ♀ ad. 22. ix. "Iris vandyke brown; feet blackish; bill plumbeous,  
 distal half black."

(Nos. 11181, 11182, 11608, 11609, 11646, 11647 Cherrie coll.)

#### 77. *Pitylus grossus* (L.).

*Loria grossa*, L., *Syst. Nat.* Ed. XII. (1766) I. p. 307 ("America," ex Brisson). We take "Cayenne"  
 as the typical habitat.

Suapnre: ♂ ♀. iv., ♀ 22. vi. (Klages).

Nicare, La Pricion: ♂ ♀ ♀ January (E. André).

#### 78. *Guiraca cyanea rothschildi* (Bartl.).

[*Loria cyanea* Linn., *Syst. Nat.* Ed. XII. (1766) I. p. 303 (ex Edw.—"Angola"!—errore. We  
 accept Bahia, Brazil, as the typical habitat).]

*Guiraca rothschildi* Edw. Bartlett, *Ann. & Mag. Nat. Hist.* Aug. 1890 p. 168 (River Carimang,  
 Brit. Guiana).

Munduapo: ♂ ad. 22. ii. "Iris seal-brown; feet slate-black; bill above black,  
 below tip and gouns to skin-angle black, sides plumbeous." (No. 11053 Cherrie coll.)

La Pricion, Caura River: ♀ 18. i. 1901; ♀ 5. ii., ♂ 4. ii. (erroneously sexed "♀"), ♀ 18. ii., ♂ (sexed "♀") 16. xii. 1900 (E. André). ♂ "Iris chestnut; beak black, except at gape of lower mandible, which is silvery grey; feet black" (André).

Hartert has compared the Munduapo and Caura River specimens with the types of *G. rothschildi* Bartl. (now in the Tring Museum), and found that they belong to the same form, which differs from typical (Brazilian) *cyanea* in its longer and straighter bill, longer wing, and slightly wider and brighter blue forehead.

#### 79. *Oryzoborus crassirostris* (Gm.).

*Loxia crassirostris* Gm., *Syst. Nat.* I. 1. (1788) p. 862 (ex loc. inc. Mus. Tunstall. We accept as typical habitat Cayenne).

Quiribana de Caicara: ♂ (ad.) 31. iii., ♂ (ad.) 2. iv., ♂ (ad.) 11. iv., "♂ juv." (in brown plumage) 7. vi. ♂ ad.: "Iris seal-brown; feet dusky slate; bill dusky greyish horn-colour, or horn-colour, pinkish on mandible."

(Nos. 10585, 10589, 10695, 10920 Cherrie coll.)

♂ juv. "Bill blackish slate."

#### 80. *Oryzoborus angolensis* (L.).

*Loxia angolensis* Linn., *Syst. Nat.* Ed. XII. (1766), I., i. p. 303 (ex Edw.—"Angola" errore. We take as the typical habitat Surinam).

*Loxia torrida* Scopoli, *Ann.* I. p. 140 (1769!).

*Oryzoborus torridus*: *Cat. B. Brit. Mus.* XII. p. 77 (1888).

Altagracia: ♂ ad. (errore "♀") 27. xii., "♂ juv." 20. xi., ♂ (juv.) 10. xi.

Caicara: ♂ ad. 24. x. "Iris seal; feet dusky smoke-grey; bill black."

Quiribana de Caicara: ♀ 5. iv. (Cherrie).

(Nos. 8547, 8760, 9127, 10588, 10616, 11264 Cherrie coll.)

Snapture: ♂ ♂ ad. 3. iv., ♂ ad. 4. iv., ♂ ad. 26. i., "♂ juv." 3. iv., ♀ 3. iv. "Iris brown; bill and feet black" (Klages).

#### 81. *Sporophila grisea* (Gm.).

*Loxia grisea* Gmelin, *Syst. Nat.* I., 1 (1788) p. 857 (ex Buff.—"Virginia" errore. We wish to fix Cayenne as the typical habitat.).

Altagracia: ♂ ad. 25. i., ♂ ad. 27. i., ♂ ad. 29. i., ♂ ♂ ad. 18. xi., ♂ 10. xi., ♂ ad. 24. xi., ♂ ad. 2. xii., ♂ ad. 3. xii., ♂ ad. 27. xii., ♂ juv. 11. xi., ♂ juv. 27. xii., ♀ 27. xi., ♀ 14. xii. "♂: Iris seal-brown or dark sepia; feet slaty; bill pale whitish or flesh-colour. ♀: Iris and feet dusky; bill blackish or black." (Cherrie.)

(Nos. 8545, 8564, 8565, 8681, 8703, 8704, 8750, 8833, 8895, 8970, 9001, 9101, 9104, 9105, 9106, 9196, 9285, 9401, 9402, 9403, 9647, 9803, 9849, 9896, 9993 Cherrie coll.)

Caicara: ♂ not quite ad. 28. i. '98; ♂ juv. 7. vii. '98. (Nos. 11003, 11063 Cherrie coll.)

Snapture: ♂ ad. 22. xii., ♂ ad. 27. xii. "♂: Iris brown; feet dark grey; bill bone-yellow with a roseate tinge, lightest on the mandible." (Klages).

The ♂ from Caicara (no. 11003) differs from the common style as follows: the ashy grey of the body is of a darker shade, more schistaceous, especially on the crown, throat and chest. The latter parts are variegated with blackish spots, and the throat with white. The posterior middle wing-coverts show white spots

at the tips, and the wings are rather long. This specimen is evidently not quite adult, the back and margins of some of the quills being suffused with brownish olive, the under tail-coverts slightly so with yellowish, the bill still partially blackish. Al.  $63\frac{1}{2}$ , caud. 45, culm.  $10\frac{3}{4}$ , tars.  $13\frac{1}{2}$  mm.

We are not quite certain if this bird is merely an abnormal specimen of *Sp. grisea* or belongs to a different species.

La Pricion, ♂; La Union, ♂♂♀♀ (E. André).

### 82. *Sporophila plumbea whiteleyana* Sharpe.

[*Fringilla plumbea* Wied, *Beitr. Naturg. Bras.* III. (1830) p. 579. (Brazil).]

*Spermophila whiteleyana* Sharpe, *Cat. B. Brit. Mus.* XII. (1888) p. 98 (Roraima).

Altagracia: 3 ♂♂ ad. 12. i., 4 ♂♂ 2. ii., ♂♂ juv. 9. xii., ♂ juv. 27. i., ♂ juv. 11. xi., ♀ 22. i., ♀ 28. i., ♀ 9. xii. "♂ ad. Iris seal-brown; feet and bill blackish. ♀ and juv.: Iris seal-brown; feet dusky."

(Nos. 8564, 8565, 9064, 9101, 9102, 9103, 9644, 9645, 9646, 9648, 9774, 9867, 9876, 9936, 9937, 9938, 9939, 9940, 10816 (Cherrie coll.))

### 83. *Sporophila minuta* (L.).

*Loria minuta* Linn. *Syst. Nat.*, Ed. X. (1758) 1. p. 176 (Surinam).

Altagracia: ♂ 15. i., ♂ 22. i., ♂ 27. i., ♂ 28. i., ♂ juv. 28. i.

Caicara: ♂♂ (jun.) 9. iii. "Iris seal; feet dusky; bill blackish" (Cherrie).

Snupure: ♂♂ 7. iv. "Iris brown; feet brownish slate; bill greyish white; maxilla and anterior edges of mandible brown" (Klages).

(Nos. 9710, 9711, 9773, 9775, 9850, 9865, 9866, 9868, 9869, 9870, 9871, 9872, 9873, 9874, 9875, 10431, 10432, 10433, 10434 (Cherrie coll.))

### 84. *Sporophila lineola* (L.).

*Loria lineola* Linn., *Syst. Nat.* Ed. X. (1758) p. 174. ("Asia"—errore. We take as the typical habitat *Surinam*!).

Caicara: ♂ 8. viii., ♂ 23. x. "Iris seal; feet slate-blackish; bill dusky black."

(Nos. 11059, 11090, 12510 (Cherrie coll.))

### 85. *Sporophila lineola trinitatis* Sharpe.

*Spermophila trinitatis* Sharpe, *Cat. B. Brit. Mus.* XII. p. 132 (1888). (Trinidad.)

Ciudad Bolivar: ♂ 30. vii., ♂ 6. viii., ♂ 12. viii. "Iris dark brown; bill and feet black" (Klages).

### 86. *Sporophila gutturalis* (Licht.).

*Fringilla gutturalis* Licht., *Verz. Doubl.* (1823) p. 26 (San Paulo).

Mundnapo: ♂ ad. 8. ii., ♂ ad. 12. iii.

Maipures: ♂ ad. 24. i., ♂ ad., ♀ 29. i., ♂ ad. 31. i., ♀♀ 31. i.

Caicara: ♂ 8. viii. "♂ ad.: Iris seal; feet blackish slate; bill plumbeous" (Cherrie).

Ciudad Bolivar: ♀ 6. viii.

(Nos. 11089, 11734, 11792, 11793, 11810, 11811, 11812, 11813, 11862, 11863, 12082, 12194 Cherrie coll.)

Snapshot: ♂ ad. 17. v., ♀ 7. iv. "♀: Iris brown; feet brownish black; maxilla black; mandible very dark grey, lighter on bottom" (Klages).

La Pricion: ♂ January, February (E. André).

### 87. *Volatinia jacarina splendens* (Vieill.).

[*Tanagra jacarina* Linn., *Syst. Nat.* Ed. XII. (1766) l. p. 314. (Brasília).]  
*Fringilla splendens* Vieill., *Nouv. Dict.* XII. (1817) p. 173. (Cayenne).

Altigracia: ♂ jun. 7. i., ♂ jun. 15. i., ♂ jun. 20. xii.

Caicara: ♀ (ad.) 14. ii., ♂ juv. 22. i., ♂ ad. 9. vi., ♂ jun. 23. ii.

(Nos. 9044, 9313, 9432, 9442, 9569, 9720, 9721, 9772, 9821, 10063, 10064, 10222, 10237, 10951 Cherrie coll.)

Ciudad Bolívar: ♂ ad. 19. vii., ♂ ad. 6. viii., ♂ ad. 23. vi., ♀ 21. xii. ♂ ad.: "Iris brown; feet black (in younger birds and females legs dark grey; iris dark grey; maxilla brown; mandible whitish); maxilla black; mandible light blue-grey, tip black" (Klages coll.)

La Pricion: January, February, December (E. André).

### 88. *Spinus mexicanus columbianus* (Lafr.).

[*Carduelis mexicanus* Swains., *Phil. Mag.* I. (1827) p. 435.]  
*Carduelis columbianus* Lafr., *Rev. Zool.* 1843 p. 292 (Colombia).

Altigracia: ♂ juv., ♀ ♀ juv. 21. xii., ♂ juv. 11. xii.

Caicara: ♂ ad. 9. vi. "Iris seal; feet dusky; bill dull sage-green with blackish tip." ♀ ad. 23. ii., ♀ juv. 2. iii.

(Nos. 9158, 9159, 9317, 9318, 9319, 10167, 10221, 10337, 10950 Cherrie coll.)

### 89. *Sycalis flaveola* (L.).

*Fringilla flaveola* Linn. *Syst. Nat.*, Ed. XII., I. (1766) p. 321 (ex loc. ignota, Museum de Geer—we accept as typical habitat Surinam!).

Altigracia: ♂ ♂ ad. 10. i., ♂ ♂ ad. 14. i., "♀" ad. (or rather ♂; plumage as in ♂ ad.!) 14. i., ♂ juv. 10. xii., ♀ 5. xi., ♀ 6. xi.

♂ ad. "Iris seal; feet grey; bill dusky above, dusky olive-yellow below."

♀. "Iris dusky brown; feet plumbeous."

(Nos. 8448, 8478, 8496, 8497, 9128, 9129, 9528, 9614, 9630, 9631, 9695, 9696, 9697, 9698, 10840, 10980 Cherrie coll.)

Caicara: ♀ ad. 27. vi., with nest and eggs (Cherrie).

Ciudad Bolívar: ♂ ad. 2. vii., ♂ ad. 9. vii., ♂ juv. 9. vii. (Klages).

A nest (parent bird no. 10980 Cherrie coll. shot as she left the nest) was taken on June 27. It was hanging from the tips of some branches, about seven feet from the ground, and contained three fresh eggs. It is about a foot long, narrow above, widened out to a round ball of 9½ cm. diameter at the end. The entrance is a small hole on the upper part of the ball.

The eggs resemble those of a sparrow, being white, profusely covered with brown, and a few underlying pale grey spots, the spots almost entirely covering the thick end. They measure 20.5 by 14.5, 21.1 by 14.5, and 21.1 by 14.3 mm., and are rather pointed ovate.

90. *Sycalis columbiana* Cab.

*Sycalis columbiana* Cabanis, *Mus. Hvin.* I. (1850) p. 147 (Porto Cabello).

Altigracia : ♂ ad. 4. xi., ♂ hornot. 20. xi., ♂ hornot. 19. xi., ♂ juv. 28. iv., juv. 6. xi., ♀ ♀ 5. xi., 3 ♀ ♀ juv. 19. xi., (♀) 15. xi., ♀ 24. xi.

♂ ad. "Iris seal-brown; feet pale dusky plumbeous; bill dusky olive, yellowish below."

♂ juv. "Iris dusky; feet flesh-colour; bill olive above, yellowish olive below."

(Nos. 8464, 8465, 8495, 8527, 8548, 8628, 8726, 8727, 8728, 8729, 8757, 8832, 9477, 10049, 10860 Cherrie coll.)

Snapure : ♂ ad. 26. xii., ♂ juv. 24. xi., ♀ 24. xii., ♀ 5. xii. (Klages).

La Pricion : ♂♂ ♀ February 1901 (André).

91. *Serinopsis* \* *arvensis minor* (Cab.).

[*Fringilla arvensis* Kittl., *Mém. Ac. St. Pétersb.* II. (1835) p. 134.]

*Sycalis minor* Cab., in *Schomb. Reise Brit. Guiana* III. (1848) p. 679 (Brit. Guiana).

Altigracia : ♂ ad. 7. i., ♂♂ ad. 10. i., ♂ ad. 22. xii., ♂ ad. 27. iv., ♀ 24. xii., ♀ 29. xii. "Iris seal; feet fawn-colour; bill drab above, dusky below."

(Nos. 9145, 9146, 9354, 9367, 9368, 9369, 9447, 9571, 9572, 9573, 9623, 10841, 10842, 10843 Cherrie coll.)

92. *Brachyospiza capensis* (P. L. S. Müll.).

*Fringilla capensis* P. L. S. Müller, *Syst. Nat. Suppl.* (1776) p. 165 (ex *Pl. Enl.* 386 f. 2—"Cap. b. sp."—errore! We accept *Cayenne* as the typical habitat!).

*Zonotrichia pileata* (*Emberiza pileata* Bodd. 1783!) Sharpe, *Cat. B. Brit. B.* XII. (1888) p. 610.

(A review of the five recognised geographical forms of *Brachyospiza capensis* is given by Ridgway in *Auk*, 1898, p. 321.)

Quiribana de Caicara : ♂ ♀ ad. 6. iv. (Nos. 10630, 10631 Cherrie coll.)

93. *Myospiza* † *manimbe* (Licht.).

*Fringilla Manimbe* Licht., *Verz. Doubl.* (1823) p. 25 (Bahia).

Altigracia : ♂ ad. 11. viii., ♂ ad. 12. i., ♂ ad. 25. xi., ad. 25. xi., ♀ 9. xi., ♀ 20. xii., ♀ 25. xi., ♀ ad. 26. xii.

Quiribana de Caicara : ♀ ad. 4. iv., ♂ ad. 2. iv., ♀ 28. iv.

Perico : "♀" ad. 12. xi.

Maipures : ♂ ad. 20. xii., ♀ ad. 23. xii.

Puerto Samoro : ♂ juv. 24. xi. Adult : "Iris seal-brown or dark sepia, or vandyke-brown; feet pale greyish or whitish grey; bill dusky blackish above, pale greyish below" (Cherrie).

(Nos. 8526, 8612, 8626, 8665, 8682, 8793, 8794, 8856, 8857, 8858, 8859, 8871, 8872, 8925, 9023, 9046, 9092, 9256, 9257, 9316, 9651, 9652, 9653, 10585, 10605, 10866, 11096, 11118, 11131, 11222, 11223, 11328, 11329, 11542, 11543, 11592, 11643, 11701 Cherrie coll.)

Ciudad Bolívar : ♂ juv. 19. xii., ♂ 15. vi., ♀ 6. v. (Klages).

Snapure : ♀ 24. ii. (Klages).

\* Ridgway, *Auk*, 1898, p. 225.

† Ridgway, *Auk*, 1898, p. 224.



94. *Arremonops conirostris venezuelensis* (Ridgw.).

[*Arremon conirostris* Bonaparte, *Cousp. Av. I.* (1850) p. 448 (Brazil—errore!).]  
*Arremonops venezuelensis* Ridgway, *Auk* 1898 p. 228 (Puerto Cabello).

Altagracia : ♂ ad. 25. i.

Caicara : ♂ ad. 29. i., ♂ ad. 12. ii., ♀ ad. 25. ii., ♂ 5. vii., ♂ ad. 11. viii., ♂ ad., ♀ 11. iii., ♀ 12. iii. "Iris vandyke-brown : feet smoke-grey ; bill black above, slaty below."

(Nos. 9815, 10111, 10199, 10266, 10453, 10454, 10464, 10476, 11005, 11055, 11103, 11117 Cherrie coll.)

(The Tring Museum has also received a good series of this form from the campos in the state of Cumana, Venezuela.)

95. *Emberizoides macrourus* (Gm.).

*Fringilla macroura* Gmelin, *Syst. Nat. I.*, 1 (1788) p. 918 (ex Lath.—Cayenne).

Altagracia : ♂ ♀ ad. 4. i.

Quiribana de Caicara : ♂ ad. 30. iv., ♂ ♂ 7. iv., ♂ ad. 27. iv., ♀ ♀ 16. iv., ♂, "♀" ad. 26. iv., ♀ ad. 4. iv. "Iris sepia : feet wood-brown ; bill black above, chrome yellow below."

(Nos. 9509, 9510, 10604, 10628, 10648, 10649, 10753, 10754, 10827, 10828, 10829, 10846, 10864, 10885, 11235 Cherrie coll.)

96. *Spiza americana* (Gm.).

*Emberiza americana* Gmelin, *Syst. Nat. I.*, 1 (1788) p. 872 (ex Penn. *Arct. Zool.* "in Noveboraco").

Altagracia : ♂ ad. 29. xii.

Caicara : ♂ 23. ii. "Iris dark sepia : feet slaty ; bill dusky above ; plumbeous below."

(Nos. 9454, 10215 Cherrie coll.)

Ciudad Bolivar : ♂ ad. 29. xii. (Klages).

Snapture : ♂ ♀ 9. iv., "♀ ?" (♂ !) 3. iv. "Iris brown : feet pale grey ; bill black on top of maxilla and brown along bottom of tip of mandible ; rest of bill white, washed with brown, but nearly around base of beak an irregular band of the same shade of yellow as is found on the chest-feathers" (Klages).

La Pricion : ♂ ♂ ♀ ♀ January, February (E. André).

97. *Paroaria nigrogenys* Lafr.

*Nemosia nigrogenys* Lafr., *Rev. Zool.* 1846 p. 273 (Embouchure de l'Orénoque).

Altagracia : ♂ ad. 22. i., ♂ ad. 27. xi., ♂ (ad.) 8. xi., "♀" (like ♂ ad.) 15. xi. (worn plumage), ♂ juv. 10. xi., ♀ ♀ "juv." 15. xi., "♀" 15. i., "♀" 9. xi., ♀ ♀ jun. 9. xi., ♂ ♀ "juv." 9. xi.

Caicara : ♂ (ad.) 19. ii., ♂ (ad.) 16. ii., "♀" (like ♂ ad.) 15. ii., "♀" (like ♂ ad.) 6. viii. ♂ ♀ ad. : "Iris light brick-red ; feet slaty ; bill black, pale below." Juv. : "Iris sepia ; feet dusky slate ; bill dusky (or black above, pale below)."

(Nos. 8515, 8532, 8533, 8534, 8535, 8552, 8631, 8632, 8633, 8828, 8901, 8902, 9708, 9776, 10080, 10110, 10176, 11079 Cherrie coll.)

Ciudad Bolivar : ♂ ad., ♀ ad. 12. iv., ♂ juv. 11. vi. (Klages).

The adult *female* is like the *male*, only smaller ; the wing about 4 mm. shorter.

A nest, containing three eggs, one fresh, two heavily incubated, was taken on August 6. One of the eggs got broken. The nest was set loosely in the tangle of twigs and vines, placed over the water, about eight feet above the surface. It is a shallow cup of dry twigs and rootlets, lined with fine smooth grass. The eggs are uncommonly like those of our *Lerocephalus streperus*, having a smooth almost glossless greenish white shell, covered with blotches and small patches of greenish brown, with a few underlying mauve spots, and the markings being more frequent around the thick end. They measure 18.9 to 14.5 and 20.5 to 15 mm., the latter being one of the two incubated eggs, the former smaller the fresh one.

### 98. *Coryphospingus pileatus* (Wied).

*Fringilla pileata* Wied. *Reise Brasil*, II. p. 160 (1821) (Brazil, southern part of prov. Bahia).

(Ciudad Bolivar: ♂ ad. 3. xii., "♀" (? ♂ immat.—crest lighter red and not so long as in ♂ ad.) 30. xi., "♀" (? ♂) 15. vi. (worn), "♀" (without red on pileum) 15. vi. (Klages).

### 99. *Gymnostinops yuracares* (Laf. & Orb.).

*Cassicus yuracares* Laf. et D'Orb., *Syn. Av.* II. p. 2 in *Mag. Zool.* VIII. (1838) (Yuracares, Bolivia).

Snare: ♂♂ ♀ 16. ii. "Iris brown; feet black; bill black; dark orange on the tip; crescent of bare skin at base of mandible lighter orange-grey, the other naked skin lighter red-violet, somewhat paler than the standard shade" (Klages).

Nicare: ♀ ad. 18. i. 1901 (E. André).

These specimens agree with those in the British Museum, where Hartert has compared them. The occurrence on the Carra River is very interesting.

### 100. *Ostinops decumanus* (Pall.).

*Xanthornis decumanus* Pall., *Spic. Fasc.* VI. (1769) p. 1 (Surinam).

Mundnapo: ♂ ad. 12. iii., ♀ ad. 12. iii.

Maipures: ♂ ad. 11. 12. "Iris coerulean blue; feet black; bill sulphur-yellow."

(Nos. 11431, 11874, 12189, 12190 Cherrie coll.)

### 101. *Ostinops viridis* (Müll.).

*Oriolus viridis* Muller, *Natursyst.* (1776), *Suppl.* p. 87 (ex *Pl. Enl.* 328—Cayenne).

Mato River: ♀ ad. 5. iii. (Klages).

Nicare: ♀ 18. i. 1901 (E. André).

### 102. *Cassicus albirostris* (L.).

*Tanagra albirostris* Linn., *Mus. Ad. Frid. Prodr.* (1764) p. 31 ("America" \*).

*Cassicus persicus* (L.) *Cat. B. Brit. Mus.* XI. p. 321.

*Cassicus albirostris* (L.) Berl. & Stolzm. *P.Z.S.* 1896 p. 353.

Caicara: ♂♂ ad. 16, 17, 18, 23. February, ♂♂ juv. 19. ii.

Atagracia: ♂♀ ad. 3, 24. December.

Ciudad Bolivar: ♂♂ ad. 23, 27. December, ♂ juv. 24. vi. (Klages). "Iris azure blue; feet black; bill pale sulphur-yellow."

\* We substitute "Surinam."

(Nos. 9004, 9005, 9780, 10101, 10102, 10163, 10119, 10120, 10122, 10140, 10141, 10142, 10143, 10174, 10205, 10224, 10225 Cherrie coll.)

La Union (Caura): ♂ ad. 18. xii. (E. André). This specimen is exceptionally large; wing 167 mm.

103. **Cassicus haemorrhous** (L.).

*Oriolus haemorrhous* Linn., *Syst. Nat.* Ed. XII. (1766) p. 161 (ex Brisson—hab. "Brasilia et Cayenne" \*).

*Cassicus affinis* Swains., *B. Brazil*, pl. 2.

Nericagua; ♂♂ ad. 4, 6. April, ♀ juv. 1, 4. April.

(Nos. 12294, 12357, 12399, 12400, 12435, 12452, 12535, 12543 Cherrie coll.)

"Iris cobalt blue; feet black; bill sulphur-yellow; more yellowish basally, more greenish at tip."

Snagure: ♂ ad. 20. iii., ♂♂ ad. 3. iii., 9. iii., ♀♀ ad. 17. iii., ♀ juv. 17. iii. (Klages).

Nicare: ♂ ad. 22. i. (E. André).

Brisson's description is evidently taken from a Cayenne specimen. The Brazilian bird should be called *C. haemorrhous aphanes* (Berl.) (cf. Berl. *J. f. O.* 1899, p. 300).

104. **Xanthornus chrysocephalus** (L.).

[*Oriolus chrysocephalus* Linn., *Syst. Nat.* Ed. XII. (1766) p. 164 (ex Brisson "Amérique" †).]

Perico: ♂♀ 21. ix.

Rio Catañapa: ♂ 26. xi. '98. "Iris mummy brown; feet slate; bill black." (Nos. 11298, 11299, 11340 Cherrie coll.)

Majpures: ♂♀ ad. 29. xii.

(Nos. 11521, 11652, 11653 Cherrie coll.)

Snagure: ♂ 9. x., ♂ 4. i., ♀ 28. xii. (Klages).

105. **Xanthornus auricapillus** (Cass.)

*Icterus auricapillus* Cass., *Proc. Ac. N.Sc.*, Philad. 1847 p. 332 ("Mexico" (errore! †) "and South America").

Caicara: ♀ 7. vi. '98, ♂♂ 19. ii., 14. ii., 7. vii. "Iris seal; feet plumbeous; bill black."

(Nos. 10068, 10170, 10921, 10922 Cherrie coll.)

106. **Xanthornus xanthornus** (Gm.).

*Oriolus Xanthornus* Gm., *Syst. Nat.* Ed. XIII. 1 (1788) p. 391 pt. (excl. syn. Edwards et habit. Jamaica) ex Briss. et Buff. ("Mexico" errore) §.

Altigracia: ♂♂ ad. 10, 20, 22. xi., 6, 10, 6, 10, 27. xii. '97; ♀♀ ad. 10. xi., 10, 18. xii. '97; 5, 6. i. '98; ♂♂ juv. 22. xi., 14. xii. '97; ♀ juv. 15. xii. '97.

Caicara: ♀♀ ad. 13. iv., 30. vi. 98. "Iris seal." "Iris blackish; feet plumbeous; bill black."

\* We take Cayenne as the typical habitat.

† We substitute "Cayenne."

‡ We substitute the habitat: Sta. Martha, Colombia.

§ As typical habitat we take: Cayenne (ex Buff.).

(Nos. 8508, 8544, 8558, 8642, 8643, 8715, 8717, 8739, 8740, 8741, 8767, 8768, 8776, 8777, 8778, 8986, 9006, 9056, 9131, 9132, 9175, 9208, 9279, 9404, 9538, 9686, 9729, 10067, 10261, 10478, 10711, 10902, 11023 Cherrie coll.)

♂ ♂ ad. al.  $95\frac{1}{2}$ ,  $92\frac{1}{2}$     caud.  $90\frac{1}{2}$ , 87    culm.  $20\frac{1}{2}$ ,  $19\frac{1}{2}$     tars.  $25\frac{1}{2}$ , 25 mm.

♀ ♀ „    „    92,  $87\frac{1}{2}$     „     $90\frac{1}{2}$ , 85    „     $20\frac{3}{4}$ ,  $18\frac{1}{2}$     „    26,  $24\frac{1}{2}$  „

There is apparently no difference between these specimens and others from Cayenne (specimen in Mus. II. v. B. very pale-coloured). A large number from Cumana in the Tring Museum agree also in every respect.

A nest was taken at Caicara on April 13. It is a bag of about 30 cm. length, suspended from two twigs and open above. The three eggs are white, with beautifully fine scribbled lines and some wider lines and spots of deep brown and mauve. They measure 25.1 by 15.6 and 24.5 by 17.1 mm.

#### 107. *Xanthornus icterus* (L.).

*Oriolus icterus* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 161 pt. (excl. plurim. synonym.) ex Briss. "Am. mérid."\*

Altagracia : ♀ 5. i. '98.

Caicara : ♀ 26. iii. '98. "Iris straw-yellow ; feet plumbeous ; bill black with plumbeous bars of mandible."

(Nos. 9517, 9859, 10242, 10559 Cherrie coll.)

#### 108. *Gymnomystax mexicanus* (L.).

*Oriolus mexicanus* Linn., *Syst. Nat.* Ed. XII. (1766) p. 162, ex Briss. ("Mexico"—errore). †  
*Gymnomystax melanicterus* (Vieill.).

Altagracia : ♀ (moulting) 8. xi., ♂ ♂ juv. with black pileum 18. xii.

Caicara : ♀, ad. 15. iii., ♂ ad. 3. i., ♂ juv. 26. xi., ♀ ad. 2. xi.

Quiribana de Caicara : ♀ ad. 25. iii., ♂ juv. 7. v., ♂ ad. 11. iv. '98 ; ♂ juv. with black pileum 11. iv. '98. "Iris dusky. Iris vandyke. Iris seal. Feet black ; bill and bare skin about head black."

(Nos. 8518, 8789, 8873, 9176, 9280, 9288, 9491, 10487, 10552, 10699, 10700, 10898 Cherrie coll.)

Ciudad Bolivar : ♀ ad. 16. vii. (Klages).

#### 109. *Agelaius icterocephalus* (L.).

*Oriolus icterocephalus* Linn., *Syst. Nat.* Ed. XII. (1766) p. 163 (ex Briss.—typ. ex *Cayenne*—and Edwards).

Altagracia : 3 ♂ ♂ ad. 27. i., ♀ ♀ ♂ jr. 28. i. "Iris seal ; feet black ; bill black."

(Nos. 9856, 9857, 9858, 9881, 9882, 9898 Cherrie coll.)

La Pricion (Caura) : ♂ December (André).

#### 110. *Sturnella magna meridionalis* (ScL.).

[*Alauda magna* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 289 (ex Catesby—Carolina).]

*Sturnella meridionalis* Sel., *Ibis* 1861 p. 179 (*New Granada* and Venezuela).

Altagracia : 3 ♂ ♂ ad. 25, 26, 28. xi., 24. xii., ♂ juv., 3 ♀ ♀ ad. 11, 25, 28. xii.

Maipures : ♂ ad. 11. xii.

\* We take "Cayenne" ex Briss. as the typical habitat.

† We substitute *Cayenne*.

Quiribana de Caicara : ♂ ad. 6. iv. " Eye dark sepia ; feet greyish flesh ; bill dusky above, plumbeous below."

(Nos. 8581, 8839, 8840, 8841, 8859, 8860, 9373, 9374, 9424, 9425, 10626, 10627, 11425 Cherrie coll.)

Mariya, Caura Valley : ♂♂ juv. 30. viii. (Klages).

111. **Leistes militaris** (L.).

*Tanagra militaris* Linn., *Syst. Nat.* Ed. X. (1758) p. 178 (" America " \*).

*Leistes guianensis* (L.).

Altagracia : ♂ ad. 12. i. '98, 4 ♂♂ ad. et semi-ad. 2. ii., 26. xi., 31. xii., 22. xii. '99, 12. i. ♀ 6. i. '98. " Iris dark sepia ; feet dusky drab ; bill black."

(Nos. 8862, 8863, 8864, 9338, 9339, 9464, 9465, 9508, 9544, 9649, 9650, 9953 Cherrie coll.)

Snayure : 4 ♂♂, 2 ♀♀, March and February (Klages).

112. **Lamprosar tanagrinus** (Spix).

*Icterus tanagrinus* Spix., *Av. Bras.* i. (1824) p. 67, pl. 64, f. 1 (ex Parâ).

Munduapo : 3 ♂♂, ♀ 1. iii. '99, 4 ♀♀ 7, 13. ii., 1. iii. '99. " Iris seal ; bill and feet black."

(Nos. 11846, 11847, 11960, 12089, 12112, 12113, 12168, 12151, 12152, 12153 Cherrie coll.)

113. **Cassidix oryzivora** (Gm.).

*Oriolus oryzivorus* Gmelin, *Syst. Nat.* L., 1 (1788) p. 386 (ex Lath.—" Cayenne").

Caicara : ♂ ad. 28. vi. (no. 1002 Cherrie).

Snayure : 4 ♂♂, June, December, March. " Iris orange-yellow ; bill and feet black " (Klages).

La Union, Caura : ♂ 18. xii. 1900 (André).

114. **Molothrus bonariensis venezuelensis** (Stone).

[*Tanagra bonariensis* Gml., *Syst. Nat.* L., 1 (1788) p. 898 (" Bonaria ").]

*Molothrus venezuelensis* Stone, *Auk* 1891, p. 347 (Venezuela, Goering coll.).

Quiribana de Caicara : 3 ♂♂ ad. 11, 30. iv. '98.

Altagracia : ♂ juv. 8. i. '98, " ♀ " ad. 14. i. '98, ♂♂ ad. 8. i., 28. i., ♂ juv. 25. i., ♀ 27. i. " Iris seal ; feet and bill black ; ♀ eye dark brown."

(Nos. 9594, 9805, 9806, 9807, 9825, 9853, 9854, 9855, 9885, 10691, 10693, 11076 Cherrie coll.)

115. **Quiscalus lugubris** Sws.

*Quiscalus lugubris* Sws., *An. in Menag.* (1838) p. 299 (" Brazil " errore !).†

Caicara : 5 ♂♂ 2 ♀♀ ad. 7. i., ♂♀ 30. i., 4 ♀♀ 7. i. " Iris straw-yellow ; feet and bill black."

(Nos. 9901, 9902, 10926, 10927, 10928, 10929, 10930, 10931, 10932, 10933, 10934, 10936, 10937, 10938, 11024 Cherrie coll.)

Ciudad Bolivar : 4 ♂♂ ad. 28. vi., 2. ix. (Klages).

\* We substitute *Surinam*.

† We substitute *Brit. Guiana*.

116. *Cyanocorax violaceus* Du Bus.

*Cyanocorax violaceus* Du Bus, *Bull. Acad. Brux.* xiv. 2. (1898) p. 103 (type ex "Péron").

Altagracia : ♂ ad. 27. i., ♀ 15. xii.

Caicara : 3 ♂♂ ad. 7. iii., 16. iii. '98, ♀ ad. 9. iii. '98, 3 ♂♂ ad. 8, 9, 11. iii.

(Nos. 9215, 9863, 10403, 10404, 10410, 10414, 10420, 10421, 10448, 10500, 10872 Cherrie coll.).

Ciudad Bolívar : ♂ 6. xii., ♀ 12. xii.

Suapure : ♂ ♀ 12. ix. "Iris dark brown ; bill and feet black" (Klages).

La Pricion, Caura : ♀ ♀ December 1900 (E. André).

117. *Cyanocorax cayanus* (L.).

*Corvus cayanus* Linn., *Syst. Nat. Ed. XII.* (1766) I. p. 157 ("Cayana" = Cayenne ex Brisson).

Suapure : ♂ 3, ♀ ♀ March. "Iris greenish yellow ; bill and feet black" (Klages).

La Pricion, Caura : ♀ February 1901 (André).

118. *Fluvicola pica* (Bodd.).

*Muscicapa pica* Bodd., *Tabl. Pl. Enl.* (1783) p. 42 (ex Buff.—Cayenne).

Altagracia : ♂♂ ad. 18. xi. '97, 21. iv. '98, 16, 24. xii. '97 ; 3 ♀♀ 7. xii., 10 i., ♂♂ juv. 29. xi. '97.

Caicara : ♂♂ ad. 11, 19. iv. '98, 3 ♀♀ 8. iii., 26. iv. '98, ♂ 21. ii. '98, ♂ juv. 3. xii. '97. "Iris seal ; feet and bill black."

(Nos. 8705, 8920, 8921, 8998, 9070, 9109, 9250, 9364, 9605, 10196, 10419, 10698, 10792, 10798, 10832, 10833 Cherrie coll.)

Ciudad Bolívar : 5 ♂♂ ad. June, December (Klages).

La Pricion, Caura : ♀ February, December (André).

119. *Arundinicola leucocephala* (L.).

*Pipra leucocephala* Linn., *Mus. Ad. Frid. II. Prodr.* (1764) p. 33 ("Surinam," cf. *Syst. Nat. XII.* p. 340).

Altagracia : 3 ♂♂ 4, 5, 6. i. '98, 28. vi. '98, ♀ 4. xii. '97.

Caicara : ♂♂ 26. iv. '98, ♀ juv. 11. iv. '98, 5. iv. "Iris seal ; bill blackish above, whitish below ; feet black. (♀ bill below yellowish straw-colour, black at top.)"

(Nos. 9363, 9512, 9536, 9553, 9878, 10613, 10696, 10697, 10831 Cherrie coll.)

120. *Pyrocephalus rubinus saturatus* subsp. nov.

[*Muscicapa rubinus* Bodd., *Tabl. Pl. Enl.* (1783) p. 42 (ex—Buff. "pays des Amazones").]

*P. P. rubinus* dicto simillimus sed alis caudaque multo brevioribus. ♂ a mari *P. r.* dicti corpore supra capitisque lateribus multo obscurioribus, fere nigris, nec pallide brunneis, tectricibus alarum inferioribus nigrescentibus nec pallide griseo-brunneis distinguendus.

♂♂ al. 71½, 70½. caud. 53½, 50½. culm. 14, 12¾. tars. 14½, 13½ mm.

♀♀ ,, 68, 66½. ,, 51½, 50. ,, 12¾, 12½. ,, 14½, 13½ ,,

*Habitat* : Venezuela : ad. fl. Orinoco, Puerto Cabello (Mus. H. v. B.), Cumana (Mus. Rothsch.). *Typus* ♂ ad. : Altagracia, 27. xi. (in Mus. H. v. B.).



Altagracia : 3 ♂♂ ad. 12. xi., 11. xii., ♂♂ ad. 27. xi., 2, 8. xii. '97, ♀♀ 27. xii. '97, ♀ 30. xi., ♂ juv. 30. xi.

Caicara : " ♂ " ad. 26. iii. '98. " Iris seal-brown (or dusky) ; feet and bill black."

(Nos. 8451, 8471, 8493, 8514, 8592, 8609, 8669, 8755, 8803, 8804, 8822, 8867, 8899, 8900, 8940, 8972, 9093, 9161, 9399, 10572 Cherrie coll.)

Ciudad Bolivar : 3 ♂♂ 3. xii., 9. xii., ♀ 29. ix.

Suapure : ♂ 5. xii. (Klages).

La Pricion, Canra : ♂♀ December 1900 (André).

We have compared our specimens, among others, with a male from Yquitos, Amazon sup. (Whitely) in Mus. H. v. B., which might be regarded as being from typical locality. The Venezuela skins are easily to be distinguished by having much shorter wings and tail, and by the upper parts of the body, including wing and tail and the sides of the head, being much darker, nearly black instead of pale brown, and the under wing-coverts being blackish instead of greyish brown. But the colour-differences are only to be observed in the old *males*, while young *males* and *females* of the two forms are merely to be distinguished by the size of the wings and tail.

An old *male* from Puerto Cabello in Mus. H. v. B. agrees in every respect with the Orinoco specimens, and so does a series from Cumana in Tring.\*

#### 121. *Ochthornis littoralis* (Pelz.).

*Elainca littoralis* Pelz., *Orn. Bras.* (1868) pp. 108, 180 (Rio Mamoré, Madeira).

Bichaco : " ♀ " ad. 18. ix. '98. " Iris light seal-brown ; feet and bill black" (no. 11173). Al. 69½, caud. 53½, culm. 12½, tars. 16½ mm.

Suapure : ♂♀ 3. viii., ♀ 2. ix. (Klages).

La Pricion : ♂♂ 12. ii. 1901.

Nicare : ♀ 20. i. 1901 (E. André).

#### 122. *Sisopygis icterophrys* (Vieill.).

*Muscicapu icterophrys* Vieill., *Nouv. Dict.* xii. (1817) p. 458 (Paraguay—ex Azara).

Altagracia : ♀ 19. xi. (no. 8736 Cherrie coll.). The single specimen is rather pale.

#### 123. *Cnipolegus orenocensis* Berl.

*Cnipolegus orenocensis* Berl., *Ibis* 1884 p. 433, pl. XII. (ex Angostura).

Altagracia : ♂♂ 1, 9, 16, 18. xii., 3, 10, 21, 29. i., ♀♀ 1, 7, 4, 11, 16. xii. '97. ; 10. i., 14. iii. '98.

Caicara : ♂ 1. iii. '98, " ♀ " 14. iii. '98 (" breeding").

Capuchin : ♂ 21. viii. " Iris seal ; feet black ; bill plumbeous black at top."

(Nos. 8950, 8959, 9069, 9118, 9156, 9246, 9247, 9287, 9478, 9611, 9612, 9760, 9899, 9900, 10328, 10484, 11141 Cherrie coll.)

Mr. Cherrie sent us a large series of skins of this rare species, of which the type in the Mus. H. v. B. hitherto has remained unique.

The *female* differs from the *male* in the lighter, more greenish grey colour of the upper and under parts of the body.

\* Berlepsch is of the opinion that *Pyrocephalus* is a Fluvicoline bird allied to *Arundinicola leucocephala*, and not a true Tyrannide of the *Myiobius* group, among which it has been placed by Dr. Sclater and others.

124. *Cnipolegus pusillus* Scl. & Salv.

*Cnipolegus pusillus* Scl. & Salv., *Nomencl. av. neotr.* (1873) p. 158 (typ. ex Amazon iuf.).

Perico : ♂ ad., ♂ (not quite adult), 25. ix. '98 (nos. 11231, 11232 Cherrie coll.)  
 " Iris seal ; bill slate, blackish at extreme top."

Al. 60½, caud. 52½, culm. 10¾, tars. 16½ mm.

125. *Xenopsaris albinucha* (Burm.). (Pl. XII., fig. 1.)

*Pachyrhamphus albinucha* Burm., *P.Z.S.* 1868 p. 635, descr. orig. (Rio de la Plata, near Buenos Ayres)

*Xenopsaris albinucha* Ridgw., *Proc. U. S. Nat. Mus.* XIV. (1891) pp. 479, 480 (ex Burma.)

*Prosopietus albinucha* Cab., *J.f.O.* 1892 pp. 126, 127 (ex Burma.)

*Xenopsaris albinucha*, Scl., *P.Z.S.* 1893 p. 166, pl. VII.

Atlagracia : ♂ ad. 12. i., 4 ♂♂ juv. 6. xi. '97 ; 6, 7. i. '98, 3 ♀♀ 5. xi., 20, 27. xii. '97, 7. i. '98.

Caicara : ♂ ad. 7. iv., ♂♂ ad. 31. iii. '98 ; ♂ 9. xi. '97, ♀♀ 17, 26, 31. iii., 8. iv. '98. " Iris blackish ; feet slate ; bill black above, plumbeous below."

(Nos. 8490, 8552, 8820, 8842, 9174, 9409, 9530, 9566, 9567, 9643, 9848, 9898, 10509, 10571, 10576, 10577, 10644, 10655 Cherrie coll.)

♂♂ ad. al. 61, 60. caud. 55, 53. culm. 12¾, 10¾. tars. 13½, 13 mm.

♀♀ " 62, 60½. " 55½, 54. " 10¾, 10½. " 13½ "

La Pricion, Canra : ♀ 17. ii. 1901 (E. André).

It is a most singular fact that this species, which was discovered by Burmeister on the banks of the Rio de la Plata near Buenos Ayres—where it is apparently a rare bird—now reappears on the Orinoco river. On the Orinoco river it is apparently a common species, Mr. Cherrie having sent us a fine series of specimens of all different stages of age. Perhaps *X. albinucha* will prove to be a bird inhabiting the sedges of the banks of many of the large rivers of South America, and might be discovered likewise on the banks of the Amazon.

Young "males" and birds marked "females" have the black cap mixed more or less with rusty brown feathers, and have the back of a darker grey suffused with olivaceous brown, while the characteristic white nuchal band is either absent or but slightly indicated. A very young male has whitish tips to the feathers of the back and pale rusty ones to those of the pileum.

Birds in fresh plumage show the abdomen more or less suffused with sulphur-yellow, which is scarcely to be seen on the adult male from Quiribana de Caicara of 31 March, 1898.

*X. albinucha* has been removed by Dr. Cabanis, quite correctly, we think, from the *Cotingidae* to the *Tyrannidae*. We have placed it in the neighbourhood of *Cnipolegus*, allowing at the same time that there are some affinities with *Serpophaga* and *Stigmatura* on the one side and *Sublegatus* and *Empidagra* on the other side.

126. *Machetornis rixosa* (Vieill.).

*Tyrannus rixosus* Vieill., *Nouv. Dict.* xxxv. (1819) p. 85 (ex Azara—Paraguay).

Atlagracia : 3 ♂♂ ad. 29. xi., 3, 6, 16. xii. '97 ; 4 ♀♀ 14. xii. '97, 3, 19. i. '98 ; 15. xi., ♂ juv. 4. xi. (♂ ?) 2, 10. xii. '97. " Iris saturn-red ; feet blackish ; bill black." " Iris chocolate. Iris dusky."



J.G. Keulemans del et lith

Mintern Bros imp.

1. XENOPSARIS ALBINUCHA (Burm.) 2. THRIPOPHAGA CHERRIEI Berl. & Hart.  
3. SALTATOR ORENOCENSIS Lafr.



(Nos. 8463, 8640, 8915, 8918, 8977, 8994, 9057, 9138, 9202, 9238, 9393, 9487, 9488, 9739 Cherrie coll.)

The young has no red on the crown.

Ciudad Bolivar : ♂ ♀ 9. viii. (Klages).

127. *Platyrrhynchus griseiceps* Salv.

*Platyrrhynchus griseiceps* Salv., *Bull. B. O. Club* vii. p. 15 (1897) (Aunai, Brit. Guiana).

Snapure ; ♂ ad. 10. xi. " Iris brown ; feet clear yellowish white ; maxilla black ; mandible dull white " (Klages).

Hartert has compared the specimen with the type in London and a *female* in the Tring Museum.

Nicare and La Pricion : ♂ ♂ (E. André).

128. *Platyrrhynchus mystaceus* (Vieill.) subsp. ?

*Platyrrhynchus mystaceus* Vieill., *Nouv. Dict.* xxvii. (1818) p. 14 (ex Azara—Paraguay).

Caicara : ♀ 7. iii. '98. " Iris seal ; feet delicate flesh ; bill maxilla black ; claws delicate flesh white." (No. 10406 Cherrie coll.)

129. *Platyrrhynchus saturatus* Salv. & Godm.

*Platyrrhynchus saturatus* Salv. & Godm., *Ibis* 1882 p. 78 (typ. ex Merume Mts., Brit. Guiana).

Nericagna : " ♀ " 13 April '99. " Iris seal ; feet greyish ; bill above black, below grey, blackish basally beyond angle of gonys."

(No. 12506 Cherrie coll.)

La Pricion, Caura : ♂ ♂ ♀ December, February (André).

130. *Todirostrum cinereum* (L.).

*Todus cinereus* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 178 (ex Edw.—Surinam).

Altagracia : 7 ♂ ♂ 11, 17, 20, 23, 30, 24. xi., 3, 4. xii. '97 ; 6. i. '98 ; 7 ♀ ♀ 18, 9, 13, 12. xi., 11. xii. '97. " Iris straw-yellow ; feet plumbeous (slate) ; bill black above, whitish below " (feet pale slate ; bill dusky above, pale below).

(Nos. 8527, 8574, 8591, 8618, 8685, 8686, 8751, 8752, 8799, 8817, 8818, 8853, 8865, 8946, 9007, 9017, 9160, 9312, 9545 Cherrie coll.)

Ciudad Bolivar : ♀ 29. ix., ♂ ♂ ♀ December (Klages).

131. *Todirostrum schistaceiceps* Sel.

*Todirostrum schistaceiceps* Sel., *Ibis* 1859 p. 444 (typ. ex Oaxaca, S. Mexico).

Maipures : ♂ ad. 10. xii.

Caicara : 4 ♂ ♂ 19. ii., 1, 11, 15. iii. '98 ; ♀ 18. ii., ♀ 19. ii., ♀ 11. iii.

El Fraile : 3. ix., ♀ juv. 3. ix.

Snapure : ♂ 7. i. '99 (Klages legit). " Iris chocolate-brown ; feet cinereous ; bill black." " Iris dark yellow ; feet pale grey ; bill black " (Cherrie).

(Nos. 10137, 10165, 10166, 10319, 10451, 10452, 10488, 11413, 11152, 11153 Cherrie coll.)



132. *Taeniotriccus andrei* sp. nov.*Taeniotriccus* gen. nov.

*Taeniotriccus* genus novum Tyrannidarum generi *Poecilotriccus* dicto fere affine, sed rostri maxilla crassa, tumida et lata, vibrissis laxis crebribusque dimidium rostri attingentibus, tarsis pro usu brevioribus, pileo cristato, coloribus insolitis (alis basi fasciatis) insigne. (Generis typus est :

*Taeniotriccus andrei* sp. nov.

Capite supra—pilei medii plumis elongatis nigris cristam formantibus exceptis—capitisque lateribus lacte rufis, gula pallidiorie rufescente, dorso obscure brunneo-olivaceo, plumis nigris variegato (in adultis omnino nigro ?) ; pectore pallidiorie olivaceo, plumis nigris variegato (in adultis omnino nigro ?), abdomine flavescenti-albo, lateribus olivaceo adumbratis ; remigibus, rectricibus tectricibusque alarum superioribus nigro-brunneis olivaceo marginatis, remigum omnium basibus vittam latam obliquam formantibus et remigum tertiarum duabus ultimis pogonio externo late flavescenti-albis, tectricibus subalaribus et marginibus remigum pogonio interno pallide flavis ; rostro brunneo-nigro, pedibus cinereo-brunneis.

Long. tot. 106, al. 57, cand. 43, culm.  $11\frac{1}{2}$ , tars.  $15\frac{1}{2}$  mm.

Habitat in regione orientali fluminis Orinoco dicti medii : La Pricion ad flumen Cauca dictum.

Typus : La Pricion " ♂ " 18. ii. 1901. " Irides black, mandibles black, feet and toes greyish " (E. André legit).

The object of the above description is no doubt the greatest discovery made by Mr. André in the Cauca River district. Unfortunately the single specimen obtained is evidently not quite adult, but there is no doubt that it belongs to a quite new form of the subfamily *Platyrrhynchinae*, of the family *Tyrannidae*. It is not very closely allied to any of the known genera of this subdivision, but it is apparently to be placed in the neighbourhood of *Todirostrum*, near *Poecilotriccus* Berl. It nevertheless differs from these genera by having a much more swollen and higher upper mandible, which is also more distinctly curved. It also differs by the large number of the vibrissae, which are rather soft, and reach to about the middle of the bill. The tarsi are much shorter than in *Poecilotriccus* and allies, and not so smooth, as a division into some separated scales is quite apparent. The tail is much longer, and the feathers of the pileum form a conspicuous crest of broad long feathers. The rectrices are somewhat graduated, but not very much so, the distance between the longest (central) and shortest (lateral) pair being 7 mm. The fourth and fifth primaries are about equal and longest; the third very little shorter, the second as long as the seventh, and the first about 12 mm. shorter than the longest. The broad wing-bars, formed by the yellowish white bases to the remiges, are a characteristic feature not to be found in any other known bird of this group. With the exception of the brownish black crest-feathers, the upper part of the head and the sides of the head are of a bright rufous colour, the throat of a paler rufous mixed with some greyish in its lower portion. The back is dark brownish olive, but there are some black feathers appearing here and there, which might prove that in the adult bird the back is uniform black. The breast is of a lighter brownish olive, with a greyish tinge, also mixed with coal-black feathers in the middle and just below the throat ; therefore in the adult bird the breast is likely to be uniform black, like the back. The abdomen is of a



dirty yellowish white, mixed here and there with olive, especially on the sides of the body. Under tail-coverts whitish buff. Under wing-coverts and inner margin of wings pale sulphur-yellow. Remiges, rectrices, and upper wing-coverts are brownish black margined with brownish olive; but the bases of all the remiges are of a pure whitish sulphur-yellow, forming a broad oblique band on the folded wing. The outer webs of the innermost secondaries (last tertiaris) are of the same colour, recalling the pattern of *Todirostrum picatum*. The under tail-coverts are of a rather fluffy structure, proving that the bird is still partly in its juvenile plumage.

*Taeniotriccus andrei* is named after Mr. E. André, of Trinidad, its discoverer.

### 133. *Orchilus ecaudatus* (Lafr. & D'Orb.).

*Todirostrum ecaudatum* Lafr. & D'Orb., *Syn. Ar. i.*, in *Mag. de Zool.* vii. (1837) p. 47 (Yuracares, Bolivia).

Munduapo: ♂ 15. iii. 1899.

(No. 12215 Cherrie coll.)

Snapure: "♂" jnv. 13. iii. 1900 (Klages legit). "Eye sepia; feet mouse-grey; bill black." "Iris dull white; feet light grey; bill black with white margins."

### 134. *Colopteryx pilaris* (Cab.

*Colopterus pilaris* Cab., *Wieg. Arch.* 1847 i. p. 253 (*typ. ex* Carthagena).

Maipures: ♀♀ 19. xii., ♂ ad. 29. xii.

Ciudad Bolivar: ♀ 30. xi. (Klages).

Altagracia: ♂ ad. 26. ii. '98; 4 ♀♀ ad. 5, 17. v. '97; 11. i., 4, 5. ii. '98; ♀ pull. 5. ii. '98.

Caicara: 3 ♂♂ ad. 26. ii. '98; ♀♀ ad. 26, 18, 19, 25. ii., 7. iii., 25. vi. '98.

Quiribana de Caicara: ♂ ad. 6. iv. '98. "Iris smoke-grey; feet pale grey; bill blackish with pale edges." "Iris straw-yellow; feet pale whitish; bill black; claws pale dusky."

(Nos. 8476, 8687, 9018, 9259, 9448, 9621, 9622, 10009, 10010, 10136, 10164, 10272, 10285, 10286, 10287, 10288, 10289, 10290, 10405, 10625, 10970, 11538 Cherrie coll.)

A nest with one egg was taken on June 25 at Caicara (parent bird no. 10970). The nest was hanging four feet above the surface of a pool of water, in deep woods along the river. The birds showed no excitement or uneasiness when the nest was taken. The nest is about 25 cm. long, loosely constructed of dry grasses, leaves and rushes, with an entrance hole near the middle. The egg is strikingly like that of a *Phylloscopus trochilus*, being white with some red-brown spots, and measuring 16 by 12.5 mm.

### 135. *Colopteryx galeatus* (Bodd.).

*Motacilla galeata* Bodd., *Tabl. Pl. Enl.* (1783) p. 24 (Cayenne).

Altagracia: ♂♀ 5. ii. '98.

Maipures: ♂♂ ad. 17. i., 6, 7, 10, 12, 18, 22, 23, 28. xii.

Munduapo: ♀ 11. ii. "Iris straw-yellow; feet pale flesh-colour; bill blackish with pale cutting edges."

(Nos. 9731, 10001, 10012, 11368, 11384, 11414, 11439, 11519, 11577, 11591, 11637, 11917 Cherrie coll.)

Snapure, Caura R. : ♂ 28. x. 1900.

"Iris light yellow, feet greyish white, bill black, margins of maxilla and base of mandible whitish" (S. M. Klages).

136. **Hapalocercus meloryphus** (Wied).

*Euscarthmus meloryphus* Wied, *Beitr. Naturg. Bras.* iii. (1831) p. 947 (Minas—Bahia).

Ciudad Bolivar : 16. xii. '98 (Klages legit). "Iris brown ; feet black ; bill maxilla brown ; mandible greyish white tinged with pink."

Al. 46, cand. 40½, culm. 10¾, tars. 19½ mm.

137. **Habrura pectoralis brevipennis** subsp. nov.

[*Sylvia pectoralis* Vieill., *Nouv. Dict.* xi. (1817) p. 210 (ex Azara—Paraguay).]

*H. H. pectoralis* dictae simillima sed alis candaque brevioribus distinguenda : al. 41¾, caud. 36, culm. 9¼, tars. 15 mm. *Habitat* in Venezuela : Orinoco et in Brit. Guiana : Roraima. *Typus* in Mus. Tring, ♂ Q. d. Caicara, Cherrie legit no. 10835.

Quiribana de Caicara ; "♂" ad. 26. iv. '98. "Iris seal ; feet slate-black ; bill black above, slate below."

The Orinoco skins, as well as many specimens collected on the Roraima by the late H. Whitely, which were examined by Berlepsch, have remarkably shorter wings and somewhat shorter tails than specimens from Matogrosso, Uruguay and Cordova (Argentina), with which they were compared. In the coloration no difference whatever is observable between the two forms.

138. **Serpophaga orenocensis** sp. nov.

S. corpore supra obscure brunnescente olivaceo-viridi, stria superciliari a naribus usque ad oculi angulum posteriorem, plumis subocularibus mentoque albis ; corpore subtus flavo : gula pectoreque superiore in speciminibus plurimis plus minusve fulvo lavatis, pectoris lateribus olivaceo adumbratis, abdomine laete flavo ; tectricibus alarum mediis et maximis nigro-brunneis, apice flavescenti-albo marginatis vel maculatis (itaque alis bifasciatis), rectricibus externis pogonio externo toto rectricumque omnium marginibus apicalibus flavescenti-albis, tertiariis quoque flavescenti-albo marginatis, rostro pedibusque nigrescentibus.

Obs.—*S. S. subflava* ScL. dictae ut videtur maxime affinis, sed alis caudaque longioribus et gula pectoreque (pro usu) fulvo tinctis distinguenda.

♂♂ al. 55-51, cand. 55-50½, culm. 10-9¼, tars. 18½ mm.

♀ " 51½ " 52½ " 10 " 16¾ "

*S. subflava* ScL. Pará ; al. 47, cand. 47, culm. 9½, tars. 15½ mm.

*Habitat* : in vicinitate fl. Orinoco dicti.

*Typus* in Mus. H. v. B. : ♂ Altigracia 31 i. '98. Cherrie no. 9910.

Quiribana de Caicara : ♀ 26. iv.

Caicara : ♂ 4. vii., ♀ 28. vi.

Altigracia : ♂♂ 22, 18. xi., 15. xii., 13, 31. i., 5. ii., ♀♀ 9. xii., 15. i., 27. i.

Munduapo : ♂ 23. ii. '98. "Iris smoke-grey ; iris fawn-colour ; iris pale sepia ; iris straw-yellow ; feet and bill black ; feet slate."

(Nos. 1101, 8701, 8785, 9108, 9231, 9067, 9709, 9844, 9910, 10018, 10834, 11046, 11261, 12081 Cherrie coll.)

This apparently new species seems to be most nearly related to *S. subflava* ScL.

from Pará. An actual comparison with the type of that species is not quite decisive, as the latter is in much-worn plumage. We must therefore wait for additional specimens from Pará to see if the differences pointed out as above are constant or not. As far as we can judge at present *S. orenocensis* is to be distinguished by possessing longer wings and tail, and by having as a rule the lower throat and upper breast suffused with fulvous, this suffusion being, however, absent on the *male* from Mmnduapo, and hardly visible in a *male* from Caicara (11046). *S. orenocensis* is not quite a typical member of the genus *Serpophaga*, being also somewhat allied to *Capsiempis*, and at the same time to *Stigmatura* Sel. & Salv. From *Capsiempis flaveola* it differs by its narrower bill and the softer rectal bristles, which are very stiff in that species.

### 139. *Serpophaga hypoleuca* Sel. & Salv.

*Serpophaga hypoleuca* Sel. & Salv., *P.Z.S.* 1866 p. 188 (typ. ex Ueayali).

Caicara : ♂ ad. 2. ii. '98. " Iris seal ; feet and bill black ; " al. 51, caud. 50, culm.  $8\frac{1}{2}$ , tars.  $16\frac{1}{2}$  mm.

♀ ad. 10. iii. ; al. 51, caud. 49 mm.

(Nos. 10198, 10437 Cherrie coll.)

### 140. *Mionectes oleagineus* (Licht.).

*Muscicapa oleaginea* Licht., *Doubl. Verz.* (1823) p. 55 (typ. ex Bahia).

Nericagua : " ♂ " 1. iv. '99. " Iris seal ; feet slate-grey ; bill black ; basal half of mandible hazel-brown." (No. 12364 Cherrie coll.)

Snapture : 3 ♂♂ 24. iv., 21. iv., 12. x. (Klages coll.).

La Pricion, Caura : ♂ 18. ii. 1901.

Nicare, Caura : ♀♀ 18. i. 1901.

La Union, Caura : ♀ 20. xii. 1900 (E. André).

### 141. *Capsiempis flaveola* (Licht.).

*Muscicapa flaveola* Licht., *Doubl. Verz.* (1823) p. 56 (ex Bahia).

Caicara : ♂, 3 ♀♀ 19. iii., ♂ 19. ii., ♀ 5. vii.

Capuchin : ♂ 21. viii.

Maipures : ♂ 12. xii.

Altigracia : " ♂ " ad. 20. i., ♂ juv. 20. i. '98. " Iris seal : feet slate ; bill black above, pale at base of mandible." " Iris brown."

(Nos. 9747, 9749, 10161, 10530, 10531, 10532, 11054, 11144, 11438 Cherrie coll.)

La Pricion, Caura : ♀♀ 1, 15. ii. 1901 (André).

### 142. *Phaeomyias*\* *incomta* Cab.

*Elaeoca incomta* Cab. & Heine, *Mus. Hein.* ii. (1859) p. 59 (Cartagena). (Berlepsch has compared the type of *E. incomta* with topotypical *semifusca*, and found that both are identical.)

*Phyllosmyias semifusca* Sel., *P.Z.S.* 1861 p. 383, Pl. XXXII., fig. 1 (ex Sta. Martha).

Altigracia : ♂♂ ad. 13, 18, 24. xi., 10, 17, 21 (bis) xii., 29. i. '98; 2. ii., 7. i., ♀♀ 26. xi., 16. xii., 23. xi., 17. xi.

\* Berlepsch having inspected the specimen of "*Myiopatris incanescens*" in the Museum Heineanum, has satisfied himself that it is = *Ornithion cinerascens* (Wied), olim *O. imberbe* Sel. The other species enumerated by Cabanis & Heine,—viz. *M. obsoleta* and *M. pusilla*—also belong to the genus *Ornithion* Hartl., of which *Myiopatris* Cab. & Heine thus becomes a synonym. Therefore *Myiopatris* cannot be used for *Ph. incomta* and allies, for which Berlepsch proposes the new appellation *Phaeomyias* Berl. ( $\phi\alpha\iota\acute{o}s$  = fusens,  $\mu\upsilon\lambda\alpha s$  = nomen propr.) with the species : 1. *Ph. incomta* (Cab. & Heine); 2. *M. wagae* (Tacz.); 3. *M. tumbecana* (Tacs.).

Caicara : ♂♂ 1, 15. iii., 14, 26. ii. '98 ; ♀ 19. ii. '98 ; ♂ juv. 19. ii. " Iris seal (dusky brown) ; feet black (slate black) ; bill black, pale below (pale at base of mandible)."

(Nos. 8616, 8658, 8689, 8700, 8796, 8826, 8878, 9126, 9250, 9253, 9269, 9320, 9321, 9699, 9893, 9941, 10066, 10158, 10159, 10282, 10323, 10489, 10733 Cherrie coll.)

Ciudad Bolivar : ♀♀ 2. xii., 23. xii.

The Tring Museum has also received a series of this bird from Cumana, in N.-E. Venezuela.

#### 143. *Ornithion inerme* Hartl.

*Ornithion inerme* Hartl., *J.f.O.* 1853 p. 35 (loc. inc.\*).

Snapure : ♂ 27. x. 1900 (Klages legit). " Iris dark grey ; feet black ; bill maxilla black, mandible dark brown or brownish black." Al. 46, caud. 33½, culm. 8¾, tarsi. 12½ mm.

#### 144. *Ornithion pusillum* (Cab. & Heine).

*Myiopatris pusilla* Cab. & Heine, *Mus. Hein.* ii. (1859) p. 58, Anm. 2. (*typ.* ex Cartagena).

Snapure : ♀ 12. ix. '99 (Klages).

Altagracia : ♂♂ 16, 8, 18, 25, 23, 10. xi., 14, 24. xii., 7. i., ♀ 18. xi., ♀♀ 2, 20, 27. xii., pull. 20. xii. '97.

Caicara : ♂ 10. viii., ♀ 22. ii. '98.

Cd. Bolivar : ♂? 5. xii., ♂ ad. 4. viii. '98 ; pull. 26. xi. (Klages).

Snapure : ♂ 7. iv., ♀ (?) 21. vi. (Klages). " Iris seal (sepia) ; feet slate (dusky slate) ; bill black, pale at base of mandible." " Iris dusky brown ; bill blackish above, pale below." " Iris light brown."

(Nos. 8513, 8546, 8661, 8706, 8707, 8795, 8855, 8894, 8978, 9200, 9301, 9303, 9304, 9371, 9372, 9411, 9584, 9585, 9624, 10109, 10200, 11094, 11109 Cherrie coll.)

La Pricion : ♀ 31. i. 1901 (André).

Some specimens have the abdomen rather whitish and but slightly suffused with yellowish or greenish, and the upper parts more washed with greyish. By these characters they approach somewhat *O. cinerascens* (Wied) (= *imberbe* Sc.), but they differ still by the wing-bands being better defined and more whitish.

Young individuals have a brownish tinge on the abdomen, and the tips to the wing-coverts and the edges to the secondaries are more rusty.

#### 145. *Tyrannulus elatus* (Lath.).

*Sylvia elata* Lath., *Ind. Orn.* ii. (1790) p. 549 (ex Buff.—Cayenne).

Nericagua : ♂ 29. iii. '99. " Iris seal ; feet slate ; bill black."

Altagracia : ♂ ad. 18. xi.

Maipures : ♂ ad. 6. i.

(Nos. 8702, 11681, 12302 Cherrie coll.)

Snapure : ♀♀ 25. v., 23. xii. (Klages).

\* We substitute the habitat : *Bahia*.

146. *Tyranniscus gracilipes* Sel. & Salv.

*Tyranniscus gracilipes* Sel. & Salv., *P.Z.S.* 1867 p. 981 (typ. ex Pebas, Peru or.).

Maipures : ♀ ad. 18. xii. '98. "Iris seal ; feet slate black ; bill above black, below slate black."

(No. 11518 Cherrie.)

Al.  $42\frac{3}{4}$ , cand.  $36\frac{1}{2}$ , culm.  $9\frac{1}{2}$ , tarsi.  $13\frac{1}{2}$  mm.

Hartert has compared the specimen with the type in the British Museum, and could not see any marked differences.

147. *Elainea pagana* (Licht.).

*Muscivora pagana* Licht., *Doubl. Verz.* (1823) p. 54 (typ. ex Bahia).

Altagracia : ♂ 11. xi., ♂ 17. xi., 3 ♂♂ 6, 8, 29. xii. '97, 3 ♀♀ 4. xii. '97 ; 10. i., 2. ii., 17. xi. '98,

Caicara : 3 ♂♂ 25. ii., 6. iv. '98. "Iris seal ; feet slate (black) ; bill black."

Quiribana de Caicara : ♀ 18. iv.

(Nos. 8570, 8690, 8691, 9029, 9043, 9080, 9095, 9455, 9529, 9608, 9942, 9943, 10263, 10264, 10265, 10629 Cherrie coll.)

Ciudad Bolivar : ♂, 3 ♀♀ August, December, July (Klages).

Suapure : ♀♀ 4, 5. xii. (Klages).

La Pricion : ♂ ad. 13. xii. 1900 (E. Audré).

Nest and eggs were taken at Quiribana de Caicara on April 18, the parent bird being shot. The two eggs are of a beautiful rich cream-colour, and marked with reddish brown large patches and spots, forming an irregular zone near the thick end. There are also some pale mauve spots. Measurements : 24 by 16.6 and 24 by 17.1 mm.

148. *Elainea cristata* Pelz.

*Elainea cristata* Pelz., *Orn. Bras.* (1868) pp. 107, 177 (typ. ex Goiaz).

Altagracia : "♀♀" 24. xii., 13. xi. '97 ; 17. xi., "♂♂" ad. 23, 13, 26, 30. xi., 11. i. '98. "Iris seal (sepia) ; feet black (dusky slate) ; bill dusky (blackish)."

(Nos. 8604, 8607, 8613, 8692, 8802, 8865, 8936, 9365, 9625, 10760 Cherrie coll.)

Ciudad Bolivar : ♂ juv. 2. vii. (Klages).

*E. cristata* Pelz. is quite a distinct species not to be confounded with *E. pagana*, or *E. albiceps*. The wing measures only 67 (♀) to 70 (♂) mm. ; the crown has a well-developed crest and no white.

A nest with one egg was taken at Quiribana de Caicara on April 16 ; the female parent (no. 10760) was obtained, and had another egg in the oviduct, which became damaged. The nest is a small, very neat open structure, placed near the crooked end of a branch in "scrub oak" in the savannah, about seven feet above the ground. The parent bird remained close by, chirping anxiously while the nest was taken. The nest is composed of dry twigs, outside ornamented with small white spider-nests and other white material, inside lined with the soft, silky seed-bearers of some plant. The nest measures outside only  $7\frac{1}{2}$  cm. across, the cup has a diameter of  $4\frac{1}{2}$  and a depth of about barely 3 cm.

The egg is rather short and roundish, creamy white with minute brown-red dots, forming a somewhat indistinct zone near the thick end. It measures 19.1 by 15.1 mm.



149. *Elainea albiceps parvirostris* (Pelz.).

[*Muscipeta albiceps* Lafr. & D'Orb., *Syn. Av. i.* (in *Mag. de Zool.* VII., Cl. II.) (1837) p. 47 (hab. Rio de Janeiro, Yungas\* and Tacna).]  
*Elainea parvirostris* Pelz., *Orn. Bras.* (1868) pp. 107, 178 (typ. ex Curytiba).

Quiribana de Caicara : "♀" ad. 21. iv. '98. "Iris seal; feet and bill black."

Caicara : ♀ ad. 2. iv., with nest and eggs. (Nos. 10591, 10803 Cherrie coll.)

The nest stood eight feet from the ground, on an oak sapling in the open field. The parent bird was procured, though very shy. The nest is a neat, tight structure, with thin walls, composed of dry stems of various small plants, richly ornamented with cobwebs and lined with soft silky hair. It measures 6 to  $7\frac{1}{2}$  cm. across, the cup  $4\frac{1}{2}$  to 5 cm. across, and only about 2 in depth. The two eggs are cream-coloured, with pale reddish brown and deeper-lying pale purplish grey spots, forming an irregular zone above the middle. They measure 19 by 15 and 19 by 14·8 mm.

150. *Elainea viridicata* (Vieill.).

*Sylvia viridicata* Vieill., *Nouv. Dict.* xi. (1817) p. 171 (ex Azara—Paraguay).  
*Elainea placens* ScL. (*Cat. B.* xiv. p. 148).

Caicara : "♀" juv. 24. ii. '98. "Iris dusky; feet cinereous; bill blackish."

Quiribana de Caicara : ♂ ad. 21. iv.

(Nos. 10239, 10800 Cherrie coll.)

151. *Elainea gaimardi* (D'Orb.).

*Muscicapara Gaimardii* D'Orb., *Voy. dans l'Am. mérid., Ois.* (1840) p. 326 (Yuracares, Bolivia).

Caicara : ♂ 27. iv. '98; ♀ 28. vi.

Maipures : 3 ♂ ♂ 8, 22, 24. xii. '98; ♀ ♀ 19, 22. xii., ♀ 6. i., ♂ juv. 24. i. '98.

Munduapo : ♂ 22. ii. '99; ♀ 10. ii. '99.

"Iris seal (sepia brown); feet slate; bill black. Iris straw-yellow; bill blackish, smoke-grey at base of mandible. Bill blackish, dusky at base of mandible."

(Nos. 10802, 11000, 11397, 11536, 11573, 11574, 11575, 11598, 11682, 11735, 11893, 12057 Cherrie coll.)

Suapure : 5 ♂ ♂, February, August, October, April (Klages).

La Union : ♂, December (E. André).

152. *Elainea macilvaini* Lawr.

*Elainea macilvaini* Lawr., *Ann. Lyc. N.H. New York* X. (1871) p. 10 (ex "Venezuela?").

Suapure : ♀ Oct. 24, 1900 (Klages legit).

Al.  $56\frac{1}{2}$ , cand. 48, culm.  $11\frac{1}{2}$ , tars.  $15\frac{1}{2}$  mm.

This bird differs from a Bogotá specimen in Mus. H. v. B. by the upper parts being of a purer less brownish green, the throat and breast being more suffused with yellowish, and the wing feathers and their upper coverts of a purer black, with broader yellowish white margins. The Suapure bird is in very fresh plumage.

*E. macilvaini* Lawr. is by no means identical with *E. gaimardi* D'Orb. with which Dr. Sclater has placed it as a synonym, but comes nearer to *E. caniceps* (Sws.) of which it is the northern representative.

\* The description of Lafresnaye and D'Orbigny seems to be made from Bolivian specimens



153. *Elainea flavivertex* Sel.

*Elainea flavivertex* Sel., *P.Z.S.* 1887 p. 49 (Upper Ucayali).

Mundnape: ♂♂ 4, 9, 12, 22. ii. "Iris seal. Iris vandyke (seal): bill blackish dusky (dusky smoke-grey), at base of mandible."

(Nos. 11882, 12055, 12056, 12177, 12192 (Cherrie coll.)

♂♂ al. 61, 60, caud. 54, 52, culm. 10 $\frac{3}{4}$ , tars. 17 $\frac{1}{2}$  mm.

A rare but perfectly distinct species, easily known from *E. viridicata* by the darker golden yellow vertical spot and the yellowish wing-bands which are wanting in that species. It is also much smaller.

154. *Elainea cinerea* Pelzeln.

*Elainea cinerea* Pelz., *Zur Orn. Bras.* II. (1870) pp. 108, 180 (Marabitanas, R. Negro).  
*Serphophaga albogrisea* Sel. & Salv.

Snapture: one male adult, 28 Oct. 1900. "Iris light brown; feet black; bill black-grey at base of mandible" (Klages legit).

Al. 63, caud. 55 $\frac{1}{2}$ , culm. 10 $\frac{1}{2}$ , tars. 16 $\frac{1}{2}$  mm.

Agrees almost perfectly with the type specimen from the Rio Negro, with which Berlepsch has compared it, only the upper surface is a shade brighter, and of a somewhat purer, somewhat more bluish ash-grey, and the white crown-patch is slightly more yellowish.

155. *Sublegatus brevirostris glaber* (Sel. & Salv.) \*

[*Elainea brevirostris* Tsch., *Wieg. Arch.* x. 1 (1844) p. 274 (Peru, Waldregion).]  
*Sublegatus glaber* Sel. & Salv., *P.Z.S.* 1868 p. 171, Pl. XIII. fig. 2 (ex Caracas).

Altigracia: ♂♂ 27. xi., 11, 15, 20, 27, 28, 29. xii., 4. i., 15. iv. '98; ♀♀ 16, 17, 27. xi., 24, 27, 29. (bis) xii., 13. xi. '97.

Caicara: ♂ 19. ii., 9. iii. '98; ♀ 26. ii. '98. "Iris seal; feet and bill black."

(Nos. 8608, 8657, 8688, 8827, 8877, 8896, 8897, 8898, 9157, 9185, 9232, 9261, 9310, 9366, 9397, 9398, 9429, 9449, 9450, 9451, 9452, 9476, 9511, 9592, 10160, 10282, 10750 Cherrie coll.)

Ciudad Bolivar: ♂ 27. xii., ♀ 27. vii. (Klages).

156. *Legatus albicollis* (Vieill.).

*Tyrannus albicollis* Vieill., *Nouv. Dict.* xxxv. (1819) p. 89 (ex Azara—Paraguay).

Quiribana de Caicara: ♂♀ 8. iv., ♂ 14. iv. "Iris seal; bill and feet black."

(Nos. 10656, 10657, 10728 Cherrie.)

Ciudad Bolivar: ♀ 25. vi. (Klages).

157. *Myiozetetes cayennensis rufipennis* (Lawr.).

*Muscicapa cayannensis* Linn., *Syst. Nat.* Ed. XII. 1 (1788) p. 327 (ex Briss.—Cayenne).

*Myiozetetes rufipennis* Lawr., *Ann. Lyc. N. H. New York* ix. (1869) p. 267 (Valencia, Venezuela).

Quiribana de Caicara: ♀ 13. iv.

Altigracia: ♂♂ 11. xi., 16, 24. xi., 10, 28. (bis) xii. '97; 14. i. '98, ♀♀ 24. ix., 11. xi., 16, 28. xii. '97.

\* According to Salvin (*Biol. Centr. Amer. Aves* ii. p. 37) and other authorities, the *Elainea arenarum* Salv. *P.Z.S.* 1863, p. 190 (ex Punta Arenas, Costa Rica) is the same as *S. glaber*; but Hartert does not agree with this view, as the crown of *E. arenarum* is much darker, almost blackish, in the Costa Rica bird.

Caicara : ♂♂ 24. ii., 18. iii., 15. iv. '98 ; ♀ 24. ii. '98 ; ♂♀ 27. vi. " Iris sepia ; bill and feet black. Iris dusky."

(Nos. 8575, 8576, 8659, 8660, 8823, 8824, 8825, 9139, 9172, 9249, 9418, 9419, 9596, 9702, 9703, 9837, 9838, 10240, 10241, 10522, 10714, 10746, 10784 Cherrie coll.)

Ciudad Bolivar : ♂ 8. viii., ♀♀ 29. iv., 3. viii., 24. xii. (Klages).

Nests with fresh and incubated eggs were found at Quiribana de Caicara, April 13, and at Caicara June 27. The nests stood in small trees in the open savannah, about 8 feet high. One nest sent is a large loose ball of fine fibres and grasses, with a wide entrance-hole near the top. The eggs are speckled and spotted with reddish brown, and with a few deeper-lying pale purplish grey patches. They measure 24 by 16.2, 22 by 16, and 24.1 by 16.1, 25.4 by 16 mm.

#### 158. *Myiozetetes superciliosus columbianus* (Cab. & Heine).

[*Tyrannus superciliosus* Bp., *P.Z.S.* 1837 p. 118 (Guatemala).]

[*Myiozetetes texensis* (Giraud).]

*Myiozetetes columbianus* Cab. & Heine, *Mus. Hein.* ii. (1859) p. 62 (*Pto. Cabello*, Cartagena).

Altagracia : ♂♂ 18, 22, 29. xi., 4, 11, 18, 20. xii., 11, 20. xi., ♀♀ 6, 16, 18, 13, 7, 27, 31. xii. '97 ; 8. i. '98. " Iris fawn-colour ; feet blackish slate ; bill black. Iris seal-brown."

(Nos. 8541, 8577, 8708, 8758, 8772, 8773, 8912, 9027, 9052, 9073, 9153, 9154, 9173, 9248, 9283, 9284, 9295, 9396, 9457, 9466, 9596, 9826 Cherrie coll.)

Ciudad Bolivar : ♂♂ 28. vii., 20. xii., ♀♀ 5. xii., 20. xii. (Klages coll.). " Iris brown ; feet and bill black " (Klages).

#### 159. *Myiozetetes granadensis* subsp. ?

*Myiozetetes granadensis* Lawr., *Ibis* 1862 p. 11 (typus ex Isthm. Panama).

La Pricion, Caura R. : ♂ ad. 17. ii. 1901. " Iris light brown, bill and feet black " (E. André coll.).

Unfortunately only one specimen collected! Specimens from Costa Rica are smaller, the back is brighter green, the forehead not so greyish. Specimens from N.W. Ecuador and Colombia, however, are hardly distinguishable from the Caura River *male*. More material is necessary to decide if the latter is separable from typical *granadensis* or not.

#### 160. *Myiozetetes sulphureus* (Spix).

*Muscivapa sulphurea* Spix, *Av. Bras.* ii. (1825) p. 16. Pl. 20 (Brasilia).

Quiribana de Caicara : ♂♂ 21, 29, 31. iv., ♀♀ 2, 21. iv. " Iris seal : bill and feet black."

(Nos. 10579, 10590, 10804, 10805, 10806, 10875 Cherrie coll.)

#### 161. *Rhynchocyclus flaviventer* (Spix).

*Platyrrhynchus flaviventer* Spix, *Av. Bras.* ii. (1825) p. 12, tab. XV. fig. 1 (Rio Janeiro).

Altagracia : ♂♂ 13, 27. i. (bis), ♀ 27. i.

Caicara : ♂♂ 14, 15, 16, 17, 19, 22. ii., 1, 2. iii., 30. vi., ♀♀ 16, 19, 25, 26. ii., 25. iii., 5. iv., 23. vi. " Iris drab-brown ; feet slate ; bill black ; mandible pinkish white."

Maipures : 10. xii.

Temblador, in the Caura Valley : ♀ 25. ix. (Klages).

La Pricion : December 1900 (André).

(Nos. 9668, 9845, 9846, 9847, 10060, 10061, 10087, 10107, 10127, 10168, 10169, 10202, 10268, 10276, 10321, 10336, 10553, 10614, 10956, 11019, 11411 Cherrie coll.)

A nest (parent bird 11019) was taken at Caicara, June 30. The nest was six feet from the ground, on a small tree in the forest near the river. It hangs from the tip of a twig, and resembles in shape a small nest of an *Icterus*, being of a similar shape, with a short entrance-tube at the bottom. The whole structure is about 27 cm. long.

The eggs are three in number, creamy white, with deep rufous brown patches and small spots around the thick end, and with a few obsolete underlying pale purplish greyish spots. They measure 20 by 13.5, 21 by 13.5, and 20 by 13 mm.

### 162. *Rhynchocyclus poliocephalus* Tacz.

*Rhynchocyclus poliocephalus* Tacz., *Orn. du Pérou* ii. (1884) p. 285 (typ. ex Nauta).

Nericagna : "♂" 31 iii. (? ♀). "Iris clay-colour; feet slate; bill-above, black below, tip dusky pale, greyish at base."

Al. 60, cand. 50, culm. 11½, tars. 16½ mm.

Maipures : ♂ ad. 9. xii. al. 65 (cand. 54, culm. 11¾, tars. 17½ mm.) ♂ (moulting) 10. xii.

(Nos. 11412, 11407, 12337 Cherrie coll.)

Suapure : ♂ 2. xi. (Klages).

La Pricion : ♀ 15. ii. 1901 (André).

### 163. *Ramphotrigon ruficauda* (Spix).

*Platyrrhynchus ruficauda* Spix, *Ac. Bras.* ii. (1825) p. 9 pl. 11. f. 1. (fl. Amazon).

Mundnapo : ♀ 15. iii. '99. "Iris seal; feet slate; bill black." (No. 12213 Cherrie coll.)

Suapure : ♂ (?) 11. iv., ♀ 11. iv. "Iris light brown; feet black; bill black, with a whitish spot on centre of base of mandible" (Klages).

La Pricion : ♂♂ 15. ii. 1901, ♀ ♀ 9, 15. ii. 1901 (André).

### 164. *Conopias inornatus* (Lawr.).

*Myiozetetes inornatus* Lawr., *Ann. Lyc. N. H.*, New York ix. (1869) p. 268 (Valencia, Venezuela).

Altagracia : ♂♂ 19, 29. xi., 5, 29, 25, 26. i., 3. ii., ♀♀ 5. 25, 26. i.

Caicara : ♂ ♀ 22. ii. '98. "Iris dusky; feet blackish; bill black."

(Nos. 8641, 8724, 8913, 9530, 9531, 9819 (bis), 9820, 9821, 9839, 9840, 9903, 9970, 9971, 10208, 10209 Cherrie coll.)

Mr. Cherrie sent us a fine series of specimens of this rare species.

Ciudad Bolívar : ♂ (?) 9. xii. (Klages coll.).

### 165. *Pitangus derbianus rufipennis* (Lafr.).

[*Saurophagus derbianus* Kaup, *P.Z.S.* 1851 p. 44 (Zacatecas, Mexico).]

*Saurophagus rufipennis* Lafr., *Rev. Zool.* 1851 p. 471 (Caracas).

Altagracia : ♂♂ 4, 21, 6, 10, 25. i., ♂ 2. ii., ♀♀ 4. xii., 15, 24, 4. i., ♀ 2. ii.

Caicara : ♂ 16. iii. '98; ♀♀ 17, 26. ii., 3, 4. iii. '98. "Iris dark seal; feet and bill black."

(Nos. 9031, 9032, 9332, 9514, 9541, 9610, 9725, 9793, 9813, 9946, 9976, 10131, 10301, 10356, 10373, 10503 Cherrie coll.)

Ciudad Bolivar: ♂♂ 22, 27. vi., ♂ 9. xii., ♂ (?) 28. ix. (Klages coll.).

Clutches of 3 and 4 eggs were taken on April 18 and June 27. One clutch has eggs of a rich cream-colour, marked all over sparingly with very small brownish black spots, more frequent near the thick end. The other has eggs of the same ground-colour, but with a zone of huge chocolate patches near the thick end. The latter measure 27.5 by 20.5, and 28.5 by 20.5; the former 27.3 by 19, 29.5 by 18.2, 27.7 by 19, and 28 by 20 mm.

#### 166. *Pitangus lictor* (Licht.).

*Lanius lictor* Licht., *Doubl. Verz.* (1823) p. 49 (ex Pará).

Altagracia: "♀" 12. i. '98. "Eye sepia; feet and bill black." (No. 9654 Cherrie coll.)

Ciudad Bolivar: ♀ 1. xii.

Suapure: ♂ 17. iii. (Klages).

La Pricion, Caura: ♂♂ February, December (André).

#### 167. *Myiodynastes audax* (Gm.).

*Muscicapa audax* Gml., *Syst. Nat.* i. (1788) p. 934 (ex Buff.—"Cayenne").

Caicara: ♂♂ 8, 29, 30. iv., 2. vii., ♂ 25. vi.

Quiribana de Caicara: 3 ♂♂ 4. iv., ♀ 31. iii.

Suapure: ♀ 17. iii. (Klages). "Iris seal; feet slate; bill black, pale at base of mandible."

(Nos. 10575, 10610, 10659, 10730, 10813, 10873, 10886, 10961, 11032 Cherrie coll.)

#### 168. *Megarhynchus pitangua* (L.).

*Lanius Pitangua* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 136 (*typ. ex. Briss.*—"Brésil").

Caicara: ♂♂ 15, 17. ii., 8. viii. '98; ♀♀ 17, 23. ii., 8. viii., 9. iii. "Iris vandyke brown; feet and bill black."

(Nos. 9880, 9927, 9977, 9978, 10077, 10124, 10125, 10219, 10426, 11086, 11087, 11796, Cherrie coll.)

Altagracia: ♂♂ 28. i., 3. ii.

Maipures: ♀ 30. i.

Suapure: ♀ 18. iii. (Klages).

Ciudad Bolivar: ♂ 19. xii., ♀ 25. viii. (Klages).

#### 169. *Muscivora coronata* (P. L. S. Müll.).

*Muscicapa coronata* P. L. S. Müll., *Natursystem Suppl.* (1776) p. 168. Ex Pl. Enl. 289 (Cayenne).

*Todus regius* Gm., *Syst. Nat.* i. 1 (1788), p. 445.

*Muscivora regia* auct.

La Pricion, Caura R.: ♂♂ ad. 17. ii. 1901. "Irides brown; bill, upper mandible black, lower medium brown; feet and toes orange-brown" (E. André leg.).

Nicare, Caura R.: "♂" (or ♀ ad.!? ) 18. i. 1901 (E. André leg.).

170. *Myiobius barbatus* (Gm.).

*Muscicapa barbata* \* Gml., *Syst. Nat.* I., 1 (1788) p. 933 (ex Buff.—"Cayenne").

Suapure, Caura R.: "♂" ad. 12 April, 1900. "Iris dark grey, feet greyish black; bill, maxilla, and top of mandibula black; rest is white" (Klages).

Al. 66, caud.  $58\frac{1}{2}$ , culm.  $10\frac{1}{2}$ , tars.  $16\frac{1}{2}$  mm.

La Pricion, Caura R.: ♀ 4. ii. 1901. Al. 63, caud. 58, culm. 11, tars. 15 mm. (André).

These birds agree perfectly with specimens from British Guiana (Whitely coll.), except that the tail appears to be slightly blacker, a character which seems to point towards *M. barbatus atricaudus*.

171. *Myiobius barbatus atricaudus* (Lawr.)?

*Muscicapa barbata* Gml., *Syst. Nat.* I., 1 (1788) p. 933 (ex Buff.—"Cayenne").

*Myiobius atricaudus* Lawr., *Ibis* 1863 p. 183 (typ. ex Panama).

Caicara: ♂ ad. ♀ ad. 26 Feb. 1898. "Iris blackish, feet slate, bill blackish above, pale below." (Nos. 10278, 10279 (Cherrie.)

♂ al. 61, caud.  $62\frac{1}{2}$ , culm.  $9\frac{1}{2}$ , tars.  $16\frac{1}{2}$  mm.

♀ ,, 57, ,,  $57\frac{1}{2}$ , ,,  $9\frac{3}{4}$ , ,,  $15\frac{3}{4}$  ,,

These Caicara birds differ from those from the Caura R. by having the upper breast, sides of body, and under tail-coverts suffused with fulvous. By this character they approach *M. b. xanthopygius* (Spix) from Brazil; but the fulvous tinge is not so strong nor so sharply defined on the breast, and the rectrices are intense black, not brownish black.

The Caicara specimens ought to be compared with typical birds from Panama, of which Lawrence says: "tinged with pale fulvous on the throat." Adult males from Costa Rica have the breast and sides of body somewhat less decidedly suffused with fulvous, but are otherwise quite similar.

172. *Myiobius erythrurus* Cab.

*Myiobius erythrurus* Cab., *Wiegm. Arch.* 1844 i. p. 249 pl. 5, f. 1 (Guiana,† Cayenne).

Nericagua: ♂ 5. iv. '99. "Iris seal; feet dusky greyish horn-colour; bill above blackish, below pale with blackish tip." (12418, Cherrie.)

La Pricion, Caura R.: "♀ ♀" 31. i., 2, 7. ii. 1901 (André).

Nicare, Caura R.: "♀ ♀" 18, 19. i. 1901 (André).

Suapure, Caura R.: ♀ (?) 12. x. (Klages).

The Nericagua specimens agree best with specimens from Brit. Guiana, but the upper head and back are of a somewhat lighter greyish olivaceous, and the uropygium is more suffused with greyish olive-brown instead of being pale fulvous. The throat is less whitish, being more suffused with cinnamon, and the rufous of the breast and abdomen is a little darker. The tail is somewhat longer.

The Caura specimens are somewhat intermediate, having the rump less suffused with greyish brown. Therefore, and as there is evidently a certain amount of individual variation in this respect, it seems hardly possible to separate the Orinoco birds as a subspecies.

\* *Muscicapa fasciata* Müll. *Natursyst. Suppl.* p. 172, quoted by Dr. Sclater with a query among the synonyms of *Myiobius barbatus*, does not belong to it, but to *M. nœvius* (Bodd.).

† We accept British Guiana as the typical habitat.

The western form, *Miobius erythrurus fulvicularis* Salv. & Godm., is quite distinct in having the frontal region more rufescent than the upper head, in having the throat more strongly suffused with ochre-cinnamon, and the breast and abdomen also of a deeper ochraceous cinnamon.

### 173. *Empidochanes arenaceus* (Scl. & Salv.).

*Cathoëca arenacea* Scl. & Salv., *P.Z.S.* 1877 p. 20 (Bogotá).

Altigracia: ♂♂ 2, 22, 14, xii., 13, 21. i., 1, 5. ii., 29. xi., ♀♀ 13, 24. i., 1, 5. ii., 16. xii. "Iris seal. Iris vandyke; feet slate; bill black."

Caicara: ♂ 12. iii.

(Nos. 8924, 8971, 9199, 9251, 9353, 9669, 9670, 9758, 9759, 9794, 9920, 9921, 10016, 10017, 10477 Cherrie coll.)

### 174. *Empidonax pileatus* (P. L. S. Müll.).

*Muscicapa pileata* P. L. S. Müll., *Natursyst. Suppl.* (1776) p. 172 (ex Pl. Enl. 574 fig. 2.—Cayenne).  
*Muscicapa oliva* Bodd., *Tabl. Pl. Enl.* (1783) p. 34 (ex Pl. Enl. 574 fig. 2.—Cayenne).

Snapture: ♀ 24. iv. '99. "Iris brown; feet light grey; bill black and white" (S. M. Klages coll.).

Al.  $59\frac{1}{2}$ , caud.  $55\frac{1}{2}$ , culm.  $11\frac{1}{4}$ , tars. 13 mm.

The specimen agrees perfectly with a skin collected by Goering at Caripé, and with another of the so-called Orinoco make in Mus. H. v. B.

The above name is somewhat doubtful. Daubenton's figure and Buffon's description in the *Hist. Nat. Ois.* IV. p. 544 (under the name of "Le Gobe-Mouche olive de Cayenne") are poor and by no means very clear. It is therefore somewhat arbitrary to accept Müller's name, but in any case it has the priority over *M. oliva* of Boddaert. If *M. pileata* is not accepted, a new name must be created. *Empidochanes altirostris* Cab. is apparently the same as *E. arenaceus*.

### 175. *Horizopus brachytarsus depressirostris* (Ridgw.)?

[*Contopus brachytarsus* Scl., *Ibis* 1859 p. 441 (typus ex Cordova, Mexico, Sallé coll.).]  
*Contopus depressirostris* Ridgw., *Proc. U.S. Nat. Mus.* VI. (1883) p. 403 (Los Sabalos, Nicaragua).

Altigracia: "♀" in freshly moulted plumage, 16. xii. '97.

"Eyes seal; feet black; bill black above, pale below." (No. 9252 Cherrie coll.)

Al.  $66\frac{1}{2}$ , caud.  $59\frac{1}{2}$ , culm.  $11\frac{3}{4}$ , tars.  $12\frac{1}{2}$  mm.

The female from Altigracia agrees fairly well with specimens from Pto. Cabello (in Mus. H. v. B.), but differs by presenting smaller dimensions, especially a smaller bill, by having the back a little more suffused with greenish, the abdomen somewhat more strongly tinged with sulphur-yellow, the breast less ashy, and by having broader whitish borders to the larger upper wing-coverts and inner secondaries.

These differences are slight, and some may be due to difference of sex (the Altigracia specimen being a female) or age. A larger series of specimens must therefore be examined, and if possible compared with the type of Ridgway's *depressirostris* in order to make out satisfactorily the proper name to be attached to the specimen from the Orinoco.

*Contopus andinus* Tacz., *P.Z.S.* 1874 p. 539 (Junin, Central Peru), is larger, and, judging from the measurements given by Taczanowski, seems to be the same as *C. virens* (L.)



176. *Myiarchus tyrannulus* (P. L. S. Müll.).

*Muscicapa tyrannulus* P. L. S. Müll., *Natursyst. Suppl.* (1776) p. 169 (ex Pl. Enl. 571, f. 1. "Cayenne").

Altagracia : ♂♂ 26, 18, 25. xi., 29. xii., 24. i., ♀♀ 15, 25, 27. xii. '97 ; 5, 6. i., '98 ; 20. xi.

Caicara : ♂♂ 14, 16. ii., 18. iii. '98 ; ♀ iii. '98. " Iris seal ; feet blackish slate ; bill black. Iris sepia brown."

(Nos. 8713, 8749, 8849, 8869, 9223, 9394, 9456, 9526, 9542, 9791, 9987, 9988, 10057, 10112, 10318, 10517 Cherrie coll.)

Ciudad Bolívar : ♂ 11. vi., ♂♂ 12. vii., ♂ 10. viii., ♂ 6. xii. (Klages).

(N.B.—We have not been able to compare the Orinoco birds with Cayenne specimens.)

177. *Myiarchus ferox venezuelensis* (Lawr.).

[*Muscicapa ferox* Gml., *Syst. Nat.* i. (1788) p. 934 excl. var.  $\beta$  (ex. Brisson—"Cayenne").]

*Myiarchus venezuelensis* Lawr., *Proc. Ac. Nat. Sc. Philad.* 1865 p. 38 (Venezuela, coll. Nash).

Altagracia : ♂♂ 22, 25, 29, 26. xi., 3, 21. xii., 3, 4, 13. i., ♀ 19. i.

Caicara : ♂♂ 7, 10. v., 25. vi. " Iris seal ; feet blackish slate ; bill black."

(Nos. 8779, 8848, 8878, 8917, 8999, 9331, 9490, 9511, 9681, 9744, 9972, 10899, 10909, 10969, 11226, 11311 Cherrie coll.)

Perico : ♂♂ 22, 25. ix.

Ciudad Bolívar : ♀ 2. viii. (Klages).

178. *Myiarchus tricolor* Pelz.

*Myiarchus tricolor* (Natterer) Pelz., *Orn. Bras.* II. (1870) pp. 117, 182 (typ. ex Rio de Janeiro).

*Myiarchus coalei* Ridgw., *Proc. U.S. Nat. Mus.* IX. (1886) p. 520 (loc. ign.!) (The type of *M. coalei* has been examined by Berlepsch. It is of the so-called Orinoco make, and is labelled "Orinoco Venezuela?")

Quiribana de Caicara : ♂ ad., ♀ ad., 25, 21. iv. '98.

Nericagua : ♀ ad., ♀ juv. 29. iii. '99.

" Iris seal ; feet and bill black, or feet slate-black."

♂ : al. 79, caud. 74, culm. 18½, tars. 18½ mm.

♀♀ : al. 75½—73½, caud. 70—67½, culm. 16¾—16½, tars. 18½ mm.

(Nos. 10799, 10817, 12300, 12301 Cherrie coll.)

The Orinoco skins agree perfectly with a topotype from Sapitiba (Prov. Rio, Natterer coll.) examined by Berlepsch, also with a Bahia skin in Mus. H. v. B., and with skins of the so-called Orinoco or Venezuela make.

179. *Empidonomus varius* (Vieill.).

*Muscicapa varia* Vieill., *Nouv. Dict.* xxi. (1818) pp. 458, 459 (ex Azara—"Paraguay").

Quiribana de Caicara : ♂ ad. 25. iv., ♂ juv. 6. iv., ♀ 14. iv.

Nericagua : ♀ 24. iii.

Caicara : ♂♂ 21. iv., 29. vi. '98, ♀♀ 23, 29. iv. '98. " Iris seal ; feet black ; bill black dusky horn-colour at base of mandible."

(Nos. 10729, 10801, 10814, 10879, 10953, 11007, 12240, 12447 Cherrie coll.)

Ciudad Bolívar : ♂ 4. viii., ♀♀ 30. vii., 27. vii., 6. viii. (Klages coll.).

180. *Tyrannus dominicensis* (Gm.).

*Lanius Tyrannus*  $\beta$  *dominicensis* Gmelin, *Syst. Nat.* i. (1788) p. 302 (ex Briss.—“S. Domingo”).

Quiribana de Caicara : “♀” 31. iii. '98. “Iris seal, feet black.”

(No. 10574 Cherrie coll.)

Al. 114½, caud. 89, culm. 27½, tars. 17½ mm.

Apparently of rather rare occurrence on the Continent. Berlepsch has, however, seen many specimens in Bogotá collections.

181. *Tyrannus melancholicus* (Vieill.).

*Tyrannus melancholicus* Vieill., *Nour. Dict.* xxxv (1819) p. 84 (ex Azara—“Paraguay”).

Atlagracia : ♂♂ 5, 13, 9, 16. xi., 22, 9, 15, 17, 21, 24, 31. xii. '97 ; 3, 5. i., 13. iv. '98 ; ♀♀ 10. xi., 27. xii. (bis) '97 ; 4. i. '98.

Quiribana de Caicara : ♂♀ 13, 15. iv.

Caicara : ♂ 7. iv. '98 ; 14. ii., 14. iv. '98 ; ♀ 4. iv. '98 (breeding).

Ciudad Bolivar : ♂♂ 23. ii., 28. vii., ♀♀ 1, 7. vii., 20. xii. (Klages).

“Iris seal (dark sepia) (dusky brown) (dusky) : feet blackish ; bill black.”

(Nos. 8481, 8539, 8557, 8619, 8791, 8911, 9116, 9222, 9239, 9264, 9329, 9350, 9391, 9392, 9469, 9486, 9513, 9526, 10058, 10606, 10639, 10712, 10716, 10744 Cherrie coll.)

La Pricion : 2, 13. xii. 1900 (E. André).

A nest with two fresh eggs was taken on April 13th, another on the 15th. The parent birds were shot in both cases. The nest is loosely put together of dry twigs, roots and grasses, and has no other lining, except that the material is finer in the middle. The cup is flat and about 60 to 70 mm. across. The nests were placed at the end of twigs in “scrub-oak,” six to seven feet from the ground. They were not concealed in any way.

One clutch of the eggs has the ground colour almost white, the other of a rosy cream-colour. There are many red-brown and some underlying mauve-coloured spots and blotches, more frequent towards the thick end. The eggs measure 26 by 18.6 and 24.7 by 17.5 mm.

182. *Milvulus tyrannus* (L.).

*Muscicapa tyrannus* Linn., *Syst. Nat.* I. Ed. XII. (1766) p. 325 (ex Brisson—“Canada” [errore], et “Cayenne”).\*

Atlagracia : ♂♂ 4, 15, 17, 18. xii., 6. i., ♀♀ 4, 15. xii. “Iris seal ; feet blackish ; bill black.”

Ciudad Bolivar : ♂♂ 12. vii., 21. xii., ♀♀ 21, 25. vii. (Klages).

(Nos. 8868, 9034, 9217, 9218, 9219, 9220, 9221, 9265, 9278, 9537 Cherrie coll.)

183. *Cirrhopipa flicauda* (Spix).

*Pipra flicauda* Spix, *Ar. Bras.* II. (1829) p. 5. tab. 8. fig. 1, 2 (hab. prope pagum S. Paulo, Rio Solimoes).

Maipures : ♂♂ ad. 6, 12, 17, 24, 27. xii. '98 ; ♂♂ juv. 12, 18. xii. '98 ; ♀♀ ad. 6, 12, 16, 17, xii. '98. “Iris cream-colour, pale cream-colour ; feet heliotrope-purple ; bill blackish above, plumbeous below ; ♀♀ heliotrope-purple below.”

(Nos. 11356, 11357, 11440, 11442, 11443, 11444, 11445, 11481, 11484, 11490, 11514, 11515, 11603, 11604, 11620, 11818 Cherrie coll.)

\* We accept Cayenne as the typical habitat.

184. *Pipra erythrocephala* (L.).

*Parus erythrocephalus* Linn., *Syst. Nat.* Ed. X. (1758) p. 191 (ex Edwards—Surinam).

*Pipra auricapilla* Licht.

Maipures: ♂♂ ad. 12, 13, 16, 17, 18, 19 (bis) xii. '98; ♂ juv. 4. iii. '99; ♀♀ 12, 21, 23. xii. '98.

Samborge: ♂ juv., ♀ 16. ix. '98.

Nericagua: ♂ juv. 28. iii. '99. "Iris cream-white, smoke-grey; feet pearl-grey, greyish flesh-colour; bill pearl-white, dusky blackish above, pale below."

(Nos. 11164, 11165, 11166, 11446, 11447, 11448, 11457, 11485, 11486, 11488, 11489, 11513, 11524, 11525, 11563, 11590, 12175, 12284 Cherrie coll.)

Suapure: ♂♂♀♀, February. March (Klages).

La Pricion, Caura River: October, February (E. André).

Nicare, Caura River: January (André).

La Union, Caura River: December (André).

185. *Pipra virescens* Pelz.

*Pipra virescens* Pelz., *Zur Orn. Bras.* (1870) pp. 128, 187 (ex Barra do Rio Negro, etc.).

Nericagua: "♂" juv. and "♀" ad. 7. iv. '99. "Iris olive-buff, feet slate-colour, bill above black, below greyish flesh-colour."

(Nos. 12465, 12466 Cherrie coll.)

Suapure: ♂ ad. 5. iv. 1900. "Iris greyish white, feet black, maxilla black with pale grey edges, mandible grey with greyish white base" (Klages).

186. *Pipra leucocilla* L.

*Pipra leucocilla* Linn., *Mus. Ad. Fridr.* II. Prodr. (1764) p. 33. (Loc. ign.—we substitute Surinam.\*)

Suapure, Caura R.: ♂♂ ad. 17. ii., 6. iii., 13. iv. '99; ♀♀ ad. 24. iii., 25. iv. '99. "Iris red-violet, feet black, maxilla black, mandible dark blue-grey" (S. M. Klages coll.).

La Pricion, Caura R.: ♂♂♀♀ Dec. 1900, Jan., Feb. 1901 (E. André).

Nicare: ♂♂♀♀ Jan. 1901. "Iris chestnut, feet slate, beak black" (E. André).

(In Colombia a form occurs with longer wings and deeper black, more velvety upper surface. This is *P. leucocilla coracina* Sel., *P.Z.S.* 1856, p. 29.)

187. *Chiromachaeris manacus* (L.).

*Pipra Manacus* Linn., *Syst. Nat.* Ed. XII. i. (1766) p. 340 (ex Edwards (bab. "supposed to be Surinam") and Brisson pt.).

Maipures: ♂ juv. 24. xii. '98. "Iris seal, feet orange, bill blackish above, plumbeous below."

(No. 11596 Cherrie coll.)

La Union, Caura River: 21. xi. 1900 (E. André).

\* Linnaeus' nomenclature of this bird is full of errors. In the tenth edition he named a *Parus pipra* (p. 190, hab. "in Indiis!"), with the same diagnosis ("P. ater capite albo") which he gives for his *Pipra leucocilla* in the *Prodr. Mus. Ad. Fridr.* ii. p. 33, while the diagnosis in the *Prodr.* for *Pipra leucocephala* is "P. nigra capite albo," and he quotes Seba (ii. p. 102, t. 96 f. 5), who apparently described the northern form of our *Pipra leucocilla*. Unfortunately, however, Linnaeus adds a more detailed description ("Statura Motacillae, similis sequenti, sed rostrum paulo validius. Corpus totum nigrum. Caput totum album. Vibrissae ad os, validiores quam in congeneribus"), which seems to be referable to *Arundinicola leucocephala*, and which corresponds with the description of *Pipra leucocephala* (= *Arundinicola leucocephala*) in the *Prodr. Mus. ad. Fridr.* ii. p. 33. The quotation from Seba appears in the *Prodromus* as a synonym of *Pipra leucocephala*.

It follows that *Parus pipra* L. is a "mixtum compositum" of *Pipra leucocilla* and *Arundinicola leucocephala*, and therefore cannot be used as a name for one of these two species.

188. *Machaeropterus pyrocephalus* (Scl.).

*Pipra pyrocephala* Scl., *Rev. & Mag. Zool.* 1852 p. 9 (Hab. loc. ignota—we substitute Upper Amazons, Ucayali).

La Pricion, Caura River: ♂♂ ad. 13, 15. xii. 1900. "Irides reddish, upper mandible blackish brown, lower pale brown, feet very pale brown" (E. André).

189. *Scotothorus amazonum* (Scl.).

*Heteropelma amazonum*, Scl., *P.Z.S.* 1860 p. 466 (typ. ex Chamicuros, Huallaga).

Nericagna: "♀♀" 23. iii. 7. iv. '99 (nos. 12224, 12467).

Munduapio: ♂♂ 4, 12. iii. '99; ♀ 20. ii. '99.

(Nos. 12030, 12176, 12196 Cherrie coll.)

"Iris seal, feet slate-grey, bill dusky blackish, paler at base of mandible, feet greenish olive-grey."

Hartert has compared the type specimens in the British Museum, and found that they had the outer aspect of the wings, the tail and rump a shade more reddish brown, but he does not consider the evidence of so few skins sufficient for separation.

189A. *Scotothorus wallacei* (Scl. & Salv.).

*Heteropelma wallacii* Scl. & Salv., *P.Z.S.* 1867 pp. 579, 595 (Lower Amazons—typ. ex Pará in Brit. Mus.).

Nicare, Caura R.: January 18th, 1901 (E. André). "Iris black; bill black; feet dark blue-grey."

La Pricion, Caura R.: February 17th, 1901 (E. André).

Both these birds are marked "♀," but one being much larger is probably a *male*.

The two specimens from the Caura River agree fully with the specimens of *H. wallacei* in the British Museum. They lack the reddish throat and crown of *H. amazonum*.

(The generic name *Heteropelma* Bp. 1854 is preoccupied by *Heteropelma* Wesm. 1849. Cf. *Oberh. Proc. Philad. Ac.* 1899, p. 208.)

190. *Heterocercus flavivertex* Pelz.

*Heterocercus flavivertex* Pelz., *Zur. Orn. Bras.* (1870) pp. 125, 186 (ex Rio Negro, etc.).

Maipures: ♂♂ ad. 12, 18, 26. xii. '98; ♀♀ 13, 17, 22, 24, 29. xii. '98.

Perico: ♀♀ 20. xi., ♂ juv. 23. ix. '98; ♂ ad. 22. ix. "Iris seal, feet slate, bill black, slate at base of mandible."

(Nos. 11194, 11211, 11285, 11286, 11396, 11448, 11449, 11458, 11492, 11510, 11511, 11526, 11579, 11594, 11595, 11612, 11645 Cherrie coll.)

The young *male* is perfectly like the *female*, only the wing is 2 mm. longer.

The Maipures birds do not differ materially from typical specimens collected by Natterer on the Rio Negro and the Rio Vaupé, with which we have compared them. Our skins are generally a little lighter green on the upper parts, and the chestnut on the upper breast is also of a somewhat lighter shade. In the Rio Negro specimen the vertical spot is of a deeper anauntious colour than in the specimens from the Orinoco and the Rio Vaupé.

Should these small differences prove to be constant the Orinoco form might perhaps be called *H. flavivertex angosturæ* Berl. & Lev., but as yet we have not seen the *male* bird from Angostura.

191. *Tityra cayana* (L.).

*Lanius cayanus* Linn., *Syst. Nat.* Ed. XII. i. (1766) p. 137 (ex Briss.—Cayenne).

Maipures : ♂♂ ad. 31. xii., 22. xi., 31. i. ; ♀♀ 22, 31. xii. '98 ; 31. i. '99. " Iris seal ; feet slate-grey ; bill, basal half reddish purple, tip of maxilla black, tip of mandible slate. ♀, bill, basal half rose-pink, tip of maxilla blackish, tip of mandible slate."

Nos. 11316, 11581, 11664, 11665, 11808, 11809.

Snapure : ♂♂ ♀♀, February, April, March (Klages).

La Priciou, Caura River : ♂ ad. 2. ii. 1901 (erroneously marked "♀") (E. André).

192. *Tityra erythrogenys* (Selby).

*Psaris erythrogenys* Selby, *Zool. Journ.* II. (1826) p. 483 (Desc. ♀, hab. Pernambuco, Brazil).

Rio Catañapa : ♂♀ ad. 26. xi. '98.

Perico : ♀ ad. 25. ix. '98.

Maipures : ♂♂ 28. i. '99, 14. xii. '98 ; ♀ 14. xii. '98. " Iris seal ; feet dusky slate ; bill above black, slate below."

(Nos. 11227, 11346, 11347, 11467, 11468, 11787 Cherrie coll.)

Snapure : ♂♀ 7. iv. 1900. " Iris dark brown ; feet black ; maxilla and anterior margin of mandible black, mandible and an irregular patch on each side of the base of the maxilla light blue-grey" (S. M. Klages).

It is very strange that the large southern *T. inquisitor* Licht. (Typus ex "San Paulo," Brasilia merid.) has generally been confounded with the very different northern form, *T. erythrogenys* (Selby) (Typus ex "Pernambuco," Brasilia orient. septentr.).

Specimens from Minas (A. Robert coll.) and a trade skin from South Brazil in Tring Museum, which we consider to be the same as Lichtenstein's *inquisitor*, are much larger. The upper surface of the *females* is more washed with brown and more heavily spotted ; the *males* have a large pure white area on the hindneck between the black crown and the grey back.

The Oriuoco and Snapure specimens, as well as skins from Demerara and Lagunillas, Venezuela, in Tring Museum, are considerably smaller. The back of the *females* is grey, hardly washed with brownish at all ; the *males* have no conspicuous white area between the black cap and the grey back, and the black reaches a little farther down towards the back.

Minas : ♂♂ wing 113, 116, tail 71, tars. 21, bill 22 mm.

Minas : ♀ wing 114, tail 69, tars. 21, bill 22½ mm.

Oriuoco and Guiana : 3 ♂♂ ad. wing 102, 105, 108 ; tail 64, 64, 66 ; tars. 19, 19, 19½ ; bill 19, 19, 20½ mm.

Oriuoco : ♀ ad. wing 102, tail 65, tars. 20, bill 19 mm.

*Lanius inquisitor* Licht., Verz. Doubl. p. 50 (1823) (Typ. "San Paulo") is the proper name for the southern species, although the author omits measurements.

*Psaris jardinii* Swains., *Zool. Ill.*, ser. 2, i. (1829), pl. 35 and text, is apparently a synonym of *inquisitor*. The locality is uncertain (interior of Brazil!), but the statement that it is as large as *Tityra cayana* and the white patch on the hindneck on the figure prove it to belong to the large form.

*Exetastes albinuchus* Cab. & Heine, *Mus. Hein.* ii. (1860), p. 83 ("Brasilien"! ) is also synonymous to this form, as far as we can make out without an actual comparison of the various types ; in any case it does not belong to *erythrogenys*.



*Psaris erythrognys* is apparently the proper name for the small northern form, the locality is Pernambuco, and Swainson (*Nat. Libr. Flycatchers*, p. 82 [1843]) states that it is smaller than Lichtenstein's *inquisitor*, and gives measurements that agree better with the northern species, his figure also showing a much spotted upperside.

### 193. *Hadrostomus minor* (Less.).

*Querula minor* Lesson, *Tr. d'Orn.* I. (1831) p. 363. (Hab. Cayenne.)

Supure, Canra River: ♂ immat. 6. iii. 1899 (Klages). "Iris brown: feet black; bill, maxilla, tip and margin of mandible black; rest dark grey."

### 194. *Pachyrhamphus cinereus* (Bodd.).

*Pipra cinerra* Bodd., *Tabl. Pl. Enl.* (1783) p. 43 (ex *Pl. Enl.* no. 687.—Cayenne).

Caicara: ♂♂ ad. 1, 3, 26. iii., 27, 28. iv., 29. vi. '98; ♀♀ 1, 2, 26. iii., 7. v., 30. vi. '98.

"Iris dark seal; feet plumbeous; bill plumbeous, tip of maxilla black. ♀♀: bill plumbeous black at tip and along ridge of enamel."

Altagracia: ♀, 2. xii.

(Nos. 8982, 10316, 10317, 10345, 10360, 10555, 10566, 10567, 10851, 10865, 10901, 11013, 11017, 11018 (Cherrie coll.))

### 195. *Pachyrhamphus niger* (Spix).

*Pachyrhynchus niger* Spix, *Ar. Brus.* II. (1829) p. 33, pl. 45, fig. 1. (Brasilia—we substitute "Amazonas prope Fonteboa").

Maipures: ♂ ad. 31. xii. '98; ♂ ad. 28. i., ♀ 31. xii. '98.

Caicara: ♂ 7. vii. '98, ♂ 9. viii. '98; ♀ 29. iv.

Altagracia: ♀ 4. xii. '97; ♂ 2. ii. '98.

"Iris seal; feet slate-grey; bill plumbeous, black at tip of maxilla."

(Nos. 9024, 9943, 10880, 11062, 11095, 11195, 11196, 11304, 11662, 11663, 11786 (Cherrie coll.))

Perico: ♂♂ ad. 22. ix., 21. xi., ♂ juv. 22. ix. '98.

Ciudad Bolivar: ♂ ad. 3. xii. '98 (Klages).

Supure: ♂ ad. 6. iii. '99 (Klages).

La Pricion, Canra: 14. xii. 1900 (André).

### 196. *Pachyrhamphus atricapillus* Merrem.

*Lanius atricapillus* Merrem, *Ar. Icon. et Descr.* (1784) p. 26, Taf. VIII. (Surinam).

(Berlepsch is of opinion that Merrem's *L. atricapillus* is not exactly enough characterised to accept his name for the *P. atricapillus* aut., and that it agrees equally well with *P. niger* (Spix). If *atricapillus* is not accepted, then *Todus marginatus* Licht., *Doubl. Verz.* (1823) p. 51 (♀) (Bahia), is the next, but in this case a northern form might be separable as a subspecies.)

Munduapo: ♂ ad. 47. ii. '99 (Cherrie). "Iris seal; feet plumbeous; tip of maxilla black."

Supure: ♂ ad. 5. iii. '99; ♀ 11. ii. '99 (Klages). "♂ ad.: iris brown; feet dark grey; bill blue-grey; maxilla tipped with black. ♀: iris and feet dark grey; maxilla black; mandible mottled black and white."

La Pricion, Canra: ♂ ad. (erroneously marked "♀") 5. ii. 1901 (E. André). "Iris blackish; maxilla black; mandible grey; feet and toes medium grey."



197. *Lathria cinerea* (Vieill.).

*Ampelis cinerea* Vieill., *Nouv. Dist.* VIII. (1817) p. 162 (typ. ex Cayenne).

*Muscicapa plumbea* Licht., *Doubl. Verz.* (1823) p. 53 (typ. ex Bahia).

Mundnapo: ♂♂ ad. 14, 15, 17. ii. '99.

Nericagua: ♂♂ ad. 6, 7, 8. iv. '99; ♀ 1. iv. '99. "Iris dusky (dark) grey; bill black, smoke-grey at base of mandible; feet greenish grey."

(Nos. 11948, 11949, 11950, 11954, 11955, 11956, 11988, 12358, 12454, 12455, 12456, 12462, 12477 Cherrie coll.)

Suapure: ♂♂ February, March (Klages).

La Union, Caura: ♂♂ December (André).

Pricion, Caura: ♂ ad. December (André).

There is no difference between Bahia specimens (*plumbea*) and Guiana birds (*cinerea*).

198. *Laniocera hypopyrrha* (Vieill.).

*Ampelis hypopyrrha* Vieillot, *Nouv. Dict. d'Hist. Nat.* VIII. p. 164. (Hab. La Guyane, sc. Cayenne).

Nericagua "♂" 5 April, '99. "Iris seal; feet drab-grey; bill black, dusky brownish at base of mandible" (no. 12426 Cherrie).

Suapure, Caura River: "♂" 15. viii. '99; "♀♀" 27. ii., 27. iv. '99 (Klages). "Iris brown; feet grey; bill black; base of mandible grey." One of "females" has on the middle of the breast some bright ochraceous feathers with black tips, the others not.

La Pricion, Caura: "♂♂" "♀" February (E. André). "Irides brown; feet grey; bill black."

Nicare: "♀," January (E. André).

La Union: "♂?" , December (E. André).

None of these specimens, except the one from Suapure, have rufous feathers and black spots on the under-surface. The specimens from Suapure and Nericagua are more pale olive, less greyish, below. The one from La Union, and two "♂" from La Pricion, have the patches on the sides of breast lemon-yellow, all the others rufous, the "♀" from Nicare and a "♂" from La Pricion brightest. What does this difference mean? Is it due to age or what?

The generic term *Laniocera* (Less. *Rev. Zool.* 1840, p. 353) has precedence over *Aulia*.

199. *Lipaugus simplex immundus* (Scl. & Salv.) (?).

*Muscicapa simplex* Licht., *Doubl. Verz.* (1823) p. 53 (typ. ex Bahia).

? *Lipaugus immundus* Scl. & Salv., *Nomencl. av. notr.* (1773) pp. 57, 159 (typ. ex Oyapoc, Cayenne).

Perico: "♂" 19. xi. '98 (no. 11279). Al. 101, cand. 97, culm. —, tars. 22½ mm.

Nericagua: "♀" 25. iii. '99 (no. 12225). Al. 96½, cand. 90½, culm. 18½, tars. 21 mm.

"Iris chocolate-brown, feet slate, bill blackish, dusky at base of mandible."

Suapure: ♂ 21. vii. '99, 3 ♀♀ 2. iii., 9. iv., 2. xi. '99 (S. M. Klages coll.).

La Pricion: ♂♂ ♀♀ December, February (E. André coll.).

These specimens agree with skins collected in British Guiana by Mr. Whitely, and with Bogotá skins in Mus. H. v. B. They differ from Bahia specimens by the darker and purer shade of the schistaceous colour of the body (more olivaceous in

true *simplex*), and by the much darker coloration of the abdomen. We are not sure if the term *immundus* Scl. & Salv. based on Cayenne specimens is applicable to this northern race of *L. simplex*.

#### 200. *Attila uropygialis* (Cab.).

*Dasycephala uropygialis* Cab. in *Schomb Guiana* III. p. 686 (1848) (Coastal forests of Brit. Guiana).

Supure : ♂ 13. iii. '99, "♂ ?" 14. iv. 1900, ♂ 20. x. 1900. "Iris dark yellow-orange, feet dark grey, bill blackish, base of mandible whitish" (Klages).

La Pricion : ♂ ♀ 3, 4. ii. 1901 (E. André coll.).

The ♂ (?) shot in April agrees very well with specimens collected on the Rio Carimang by H. Whitely in 1885, but the ♂ from the month of October is more rufous on the upper surface.

#### 201. *Rupicola rupicola* (L.).

*Pipra rupicola* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 338 (ex Briss.—hab. in *Surinamo*, Guiana).

Mountains west of Supure : 4 ♂ 2, 3, 7, 9. v. 1900. "Iris reddish orange; feet, coarse scales reddish orange, rest yellowish orange; bill, colour of plumage, distal half light yellow" (S. M. Klages).

#### 202. *Querula purpurata* (P. L. S. Müll.).

*Muscicapa purpurata* P. L. S. Müll., *Natursyst. Suppl.* (1776) p. 169, no. 29 (ex Buffon.—Cayenne).  
*Muscicapa cruenta* Bodd., *Tabl. Pl. Enl.* (1783) p. 23 (ex *Pl. Enl.* 38L.—Cayenne); unde *Querula cruenta* aut.

Supure, Caura R. : ♂ ad. 3. iii. '99, ♀ ♀ 1, 3. iii. '99. "Iris brown, feet black, bill dark blue-grey" (Klages).

La Pricion, Caura R. : ♀ 4. ii. 1901 (E. André).

#### 203. *Cephalopterus ornatus* Geoffr.

*Cephalopterus ornatus* Geoffr., *Ann. d. Mus.* XIII. p. 238, pl. 17 (1809). (Loc. incert. We substitute Cayenne).

Samborge : ♂ ad. 17. ix. '98. "Iris pearl-grey, feet slate-grey, bill black above, plumbeous below."

Nericagna : ♀ 28. iii. '99 (nos. 11168, 12290 Cherrie coll.).

#### 204. *Gymnoderus foetidus* (Linn.)

*Gracula foetida* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 164 (America.—Rolander. We supplement *Surinam*).

Mataben : ♀ 6. ii. '99.

Mundnapo : ♀ 23. ii. '99.

Bichaco : ♂ 18. ix. '98.

Nos. 11171, 11841, 12079.

"♀ Iris plumbeous, bill blackish slate at tip, cinereous at base, bare skin cobalt blue, feet olive-grey, sides of tarsi between scutella in front and scales behind antwerp blue, bare skin on neck and on abdomen cobalt blue."

"♂ Iris, etc., as in ♀, bare skin on head and neck delicate pearl-grey, shading almost into cobalt blue on median above and below."

205. *Synallaxis albescens albigularis* (Scl.).

[*Synallaxis albescens* Tem., *Pl. Col.* (1823) 227, f. 2 (Brésil).\*]

*Synallaxis albigularis* Scl., *P.Z.S.* 1858 p. 63 (typ. ex Rio Napo, Ecuador).

Caicara : ♂♂ 19, 22. ii., 11. iii. ; ♀ 19. ii., 25. ii. '98, 11. viii. '98.

Altagracia : ♂♂ 15, 16, 18. xi. ; 11, 17, 27. xii. '97 ; 3, 10, 22, 27. i. '98 ; 3, 12. i. '98 ; ♀♀ 17, 27. xii. '97 ; 3, 8, 10, 14. i. '98.

“ Iris inside russet, feet olive-buff, outside grey, bill dusky.” “ Iris vandyke, feet pea-green, bill black above, plumbeous below.”

Snapure, ♀ 11. iii. '99 (Klages).

(Nos. 8611, 8625, 8655, 9155, 9263, 9400, 9479, 9480, 9598, 9601, 9602, 9641, 9642, 9677, 9699, 9767, 9768, 9852, 10162, 10163, 10273, 10457, 11115.)

Two eggs, one in a nest, the other from the oviduct, were taken on August 11, 1898. Unfortunately nothing is said about the situation of the nest, but it appears to have been placed horizontally with the entrance-hole at one end. It is a most extraordinary structure of about 44 cm., and composed of pieces of dry twigs about three to five inches in length. All are put together very loosely in a bush, with short and thin but most formidably sharp thorns. There is a hole at the narrower end, and a sort of chamber in the broader portion. It is astonishing how such a small bird (wing about 55, tail 80 to 85, total length not more than 150 mm.) worked together such a large structure. The eggs are of a uniform pale cream-colour with a slightly greenish tinge, and measure 21 by 15 and 20 by 15 mm.

206. *Synallaxis cinnamomea* (Gm.).

*Certhia cinnamomea* Gml., *Syst. Nat.* Ed. I, 1 (1788) p. 480 (ex Latham loc. inc.†).

Altagracia : ♂♂ 27. xi., 7. xii. '97 ; 5, 10, 26. i. '98 ; ♀♀ 21. viii. '96 ; 27. xi., 7, 13. xii. '97 ; 3, 10, 14, 21, 22, 25, 26. i., 3. ii. '98.

“ Iris brown, vandyke, light sepia, inner ring russet, outer drab (grey) ; feet plumbeous (pea-green) ; bill black above, pale below (plumbeous below, slaty below, whitish below).

(Nos. 8887, 8888, 8889, 8956, 8957, 8958, 9000, 9066, 9067, 9068, 9184, 9481, 9532, 9583, 9603, 9604, 9700, 9755, 9756, 9769, 9770, 9817, 9818, 9826, 9827, 9828, 9829, 9964, 9965 Cherrie coll.)

Ciudad Bolivar “♂,” 7. vi. '98 (Klages).

207. *Synallaxis gujanensis* (Gm.).

*Motacilla gujanensis* Gm., *Syst. Nat.* I. (1788), p. 988 (ex Buffon.—Cayenne).

La Pricion, Caura River : ♂♀, 1 sex ? 13. xii. 1900. “ Irides brown ; upper mandible black, lower silvery grey ; feet olive-brown.”

208. *Synallaxis vulpina alopecias* (Pelz.).

[*Synallaxis vulpina* Pelz., *Sitzungsber. Akad. Wien* XX. (1856) p. 162 (Brasilia †).]

*Synallaxis alopecias* Pelz., *Sitzungsber. Akad. Wien* XXXIV. (1859) p. 101 (Brasilia §).

Altagracia : ♂♂ 13. i., 5. ii., 14. xii. ; ♀♀ 13, 15. i. ; 5. ii. '98.

Caicara : ♂ 2, 4. ii. ; ♀♀ 21. ii. '98.

Maipures : ♀ 27. xii. '98. “ Iris vandyke ; feet sage-green ; bill seal above, lilac-grey below.”

\* We substitute Prov. S. Paulo.

† We substitute Cayenne.

‡ The typical specimens came from Matogrosso.

§ The type came from Forte do Rio Branco.

Ciudad Bolivar : ♀ ♀ 9, 20. xii. '98 (Klages).  
 (Nos. 9205, 9674, 9675, 9676, 9712, 9713, 10013, 10014, 10015, 10187, 10188, 10189, 10233, 11627 Cherrie coll.)

Cherrie's birds agree perfectly with Pelzeln's description of his *S. alopecias*.

### 209. *Synallaxis rutilans* Temm.

*Synallaxis rutilans* Temm., *Pl. Col.* (1823) 227. Fig. 1 (ex Brésil\*).

Nericagua : ♂ ♀ 21, 28, 30. iii., ♂ juv. 22. iv. '99 ; ♀ 4. iv. '99. " Iris chestnut : feet sage-green (mouse-grey) ; bill above black, below blackish slate-colour."

(Nos. 12216, 12286, 12314, 12398, 12526, 12527 Cherrie coll.)

Snapshot, Caura : ♀ ♀ 11. iv. 1900 (Klages).

La Pricion, Caura : 2, 4. ii. 1901 (André).

Nicare, Caura : ♂ ♂ 18. i. 1901 (André).

La Union, Caura : ♀ 17. xii. 1900 (André).

### 210. *Siptornis hyposticta* (Pelz.).

*Synallaxis hyposticta* Pelz., *Sitzber. Akad. Wien XXXIV.* (1859) p. 102 (Brasilia †).

Mundnapo : ♂ ♂ 16, 25. ii. '99 ; ♂ ? 3. ii. '99 ; ♀ ♀ 25. ii. '99.

Nericagua : ♂ 23. iii. '99. " Iris brown (russet brown, wood-brown) ; feet sage-green (olive, oil-green) ; bill above clove-brown (slate-black), below dusky drab, slate-grey (above dusky, pale below)."

(Nos. 11816, 11974, 12108 (bis), 12222 Cherrie coll.)

La Pricion : 2 ♂ ♂, 3 ♀ ♀, December 1900, January 1901. " Irides very light grey (or greyish white) ; upper mandible black, lower grey (or medium brown) ; feet and toes bright (or light) olive-green " (E. André).

The specimens from La Pricion show the foreneck and chest a little more yellowish than our specimens from the Orinoco, but this difference is not likely to be a constant character.

### 211. *Thripophaga cherriei* sp. nov. (Pl. XII. f. 2).

*Thr.* corpore supra obscure rufescente olivaceo-brunneo, absque striis vel maculis, pileo pallidior magis olivaceo, corpore subtus cum capitis lateribus clariore fulvescente olivaceo brunneo, collo inferiore, pectore, capitisque lateribus striis angustis definitis fulvescenti-albis instructis, macula magna in gula superiore intense aurantio-rufa, alis extus obscure castaneo-brunneis, cauda tectricibusque supracandalibus obscure castaneis, tectricibus subalaribus cinnamomeis, remigibus intus fulvo-brunneo marginatis ; maxilla pedibusque corneis, mandibula fulvescente.

♂ al. 67, cand. 68, culm.  $14\frac{1}{2}$ , tars. 19 mm.

♀ „ 66, „ 65, „  $14\frac{1}{4}$ , „  $18\frac{1}{2}$  mm.

*Habitat* : circum Capnano, Rio Orinoco.

*Typus* : in Mus. H. von Berlepsch (♀ 5. ii. '99).

This new species, which we have great pleasure to name after its discoverer, Mr. G. K. Cherrie, seems to be quite distinct from any species described hitherto. In its uniform upper surface it resembles somewhat *Th. fusciceps* Sel. from Bolivia ; but it is a much smaller bird, and has a dark orange-rufous mark on the upper part of the throat wanting in that species.

\* We substitute " Rio Negro."

† The type came from the Rio Negro.

The upper parts of the body in the new species are of a dark olivaceous brown with a rufescent tinge, which is not observable on the pileum, this being of a paler olivaceous brown. The under parts of the body are of a much clearer olivaceous brown with a fulvescent tinge. The lower throat, the upper breast and the sides of the head show a narrow and sharp creamy buff stripe in the middle of each feather, which is widening a little to the tip of the feather. The large mark on the upper throat is of a dark orange rufous colour. The upper surface of the wings is of a dark but vivid rufous brown. The tail, with the upper tail-coverts, is of a bright chestnut. The under wing-coverts are cinnamon, and the inner margins of the remiges are fulvous brown. The upper mandible and the legs are dusky brown, the under mandible is yellowish.

Capuano : ♂ ad. in much worn plumage, ♀ 5. ii. '99.

"Iris wood-brown ; feet sage-green ; bill above dusky smoke-grey, below pale grey."

(Nos. 11834, 11835 Cherrie coll.)

The *female* is like the *male*, only the back is slightly more rufous, and the longitudinal marks on the chest are more fulvescent. It is also a little smaller.

### 212. *Automolus turdinus* (Pelz.).

*Anabates turdinus* Pelz. *Sitzber. Akad. Wien* (1859) p. 110 (ex Brasilia\*).

Munduapo : ♂ ♂ 3, 27. ii. '99. "Iris seal; feet sage-green ; bill above light clove-brown, below pea-green."

(Nos. 11822, 12135 Cherrie coll.)

### 213. *Automolus sclateri* (Pelz.).

*Anabates sclateri* Pelz., *Sitzungsber. Akad. Wien* XXXIV. (1859) p. 111 note. (Ex *A. infuscata* Sel. (nee Temm.) *Ann. & Mag. N.H.* 2 XIII. p. 468). (*Hab.* Barra do Rio Negro, etc. We take Barra do Rio Negro as the typical habitat.†)

Nericagua : ♂ ad. 21. iii. '99, ♀ 31. iii. '99. ♂ "Iris seal, feet pea-green, bill above blackish with pale cutting edges, below slate-grey, paler basally." ♀ "Iris dark, feet plumbeous pea-green, bill as in ♂." (Nos. 12217, 12342 Cherrie coll.)

La Pricion, Caura River : February 1901 (E. André coll.).

La Union, Caura River ; December 1900 (E. André coll.).

Nicare, Caura River : January 1901 (E. André coll.)

"Irides brown ; upper bill blackish, lower pale ; feet olive-green."

### 214. *Philydor consobrinus rufipileatus* (Pelz.)

[*Philydor consobrinus* Sel., *P.Z.S.* 1870 p. 328 (ex Bogotá—Coll.).]

*Anabates rufipileatus* Pelz., *Sitzber. Akad. Wien*. XXXIV. (1859) p. 109 (Pará).

*Ph. Ph. consobrinus* dicto similimus sed colore corporis inferioris rufescentiore et obscuriore, alis extus magis olivaceo minus rufo-brunneo tinctis distinguendus.

Al. 88, caud. 80½, culm. 21½, tars. 21¾ mm.

\* Pelzén's specimens came from Borja (Rio Madeira), etc.

† I take this opportunity to call attention to two skins in Mr. Rothschild's Museum, collected at Bemvides, near Pará, in Eastern Brazil, on July 27 and 28, 1879, by Prof. J. B. Steere. They differ from all the thirteen specimens of *Automolus sclateri* in the British Museum and eleven in Tring in their less rufous, more greyish crown and nape. One (presumably an adult *male*, and marked "*male*" by the collector) is of the same size or somewhat larger, as typical *Au. sclateri*, the other (presumably young, not sexed) has the bill very much smaller than all the rest. I name this form—

*Automolus sclateri paraensis* subsp. nov.

Type : *male* Bemvides, near Pará, 27. vii. 1879, Tring Museum.—E. HARTERT.



*Habitat*: in Venezuela, circum Suapure.

This bird is probably the same as *P. rufipileatus*, of which Berlepsch has examined the type.

Suapure: ♀ 28. viii. '92. "Iris light orange, yellow-orange; feet light grey; bill, maxilla brown edged with pale grey; mandibula light brownish grey" (Klages).

Compared with several Bogotá skins in Mus. H. v. B. the Suapure bird differs in the more rufescent and darker under-surface of the body, and in the more olivaceous less brownish shade of the upper-side of the wings.

Another specimen, perfectly agreeing in colour with the type, was got at La Pricion on the Caura, Dec. 14, 1900, by Mr. André. It is also marked ♀. "Irides orange-yellow, upper mandible blackish brown, lower paler, feet olive-green."

Wing 90, tail 82, tarsus  $21\frac{3}{4}$  mm.

This specimen may possibly be a *male*, being larger than the *female*.

### 215. *Philydor pyrrhodes* (C'ab.).

*Anabates pyrrhodes* Cab. in *Schomb. Reise Brit. Guiana* III. (1848) p. 689 ("Küste von Brit. Guiana").

Nericagna: "♂ ♂" 27. iii., 5. iv. '99; ♀ 13. iv. '99. "Iris seal; feet yellowish sage-green; bill above light clove-brown, below pea-green."

Munduapo: ♂ ♂ 2, 13. iii. '99.

(Nos. 12164, 12205, 12273, 12425, 12507 Cherrie coll.)

### 216. *Xenops genibarbis* Ill.

*Xenops genibarbis* Illig., *Prodr.* (1811) p. 213 (typ. ex Cametá, Brazil).

Munduapo: ♂ ♂ 18, 24. ii. '99; ♀ ♀ 25. ii. '99.

Nericagna: ♂ ♂ juv. 29. iii. '99; ♀ 1. iv. '99.

Maipures: ♀ 20. xii. '98. "Iris seal; feet slate-grey; bill above black, below pale with dusky tip."

Suapure: ♂ ♂ ♀ ♀, February, March, April (Klages).

Nicare: ♂ ♂ ♀, January.

La Union: ♂ December (E. André).

(Nos. 12008, 12009, 12019, 12093, 12107, 12303, 12329, 12363 Cherrie coll.)

### 217. *Sittasomus amazonus* Lafr.

*Sittasomus amazonus* Lafr., *Rev. & Mag. de Zool.* 1850 p. 590 (Haute Amazon—voy. Casteluau).

Suapure, Caura R.: ♂ 9. iv. 1900; "♀ ♀?" 9. iv. 1900; 12. ix. '99 (Klages coll.).

These birds agree well with specimens from Mt. Roraima, British Guiana (Mus. H. v. B. and Tring), and are not materially different from a specimen from Monterico, C. Peru, in Mus. H. v. B.

*S. griseus* from Tobago is very different, the head, mantle and underside being greenish olive, not grey. Skins from Unmana seem also to belong to *griseus*.

*S. olivaceus* (Wied) from Bahia is also quite distinct and nearer to *S. erithacus* (Licht.), of which it might eventually form a subspecies.



218. *Glyphorhynchus cuneatus* (Licht.).

*Dendrocolaptes cuneatus* Licht., *Abh. Akad. Berl.* 1820 p. 204, tab. 2, fig. 2 (typ. ex Bahía: cf. *Abh.* 1822 p. 266).

Munduapo: ♂♂ 2, 13, 16, 18, 20. ii., 12. iii. '99; ♀ 14. ii. '99.

Nericagua: ♂♂ 23. iii., 7. iv. '99; ♀ 1. iv. '99.

Capuano: 5. ii. '99.

Maipures: ♂ 30. xii. '98.

Snapure: ♂♀ April 1900 (Klages).

La Pricion: ♀♀ January (E. André).

Nicare: ♂♀ January, December (E. André).

(Nos. 11656, 11944, 12007, 12020, 12161, 12197, 12210, 12223, 12368 Cherrie coll.)

219. *Dendroornis rostripallens sororia* subsp. nov.

[*Dendroornis rostripallens* Des Murs, *Voy. Casteln. Ois.* (1855) p. 45. Pl. 12, fig. 2 (typ. ex Amazon sup.)

*D. a. D. rostripallens* dicta, cui maxime affinis videtur, maxilla cornea (nec pallida), rostro paulo graciliore et corpore subtus magis fulvescente-olivaceo, minus rufescente lavato distinguenda.

♂ al. 120—118, cand. 106—103, culm. 39—37, tars. 25—24 mm.

♀ „ 108—104 „ 104—90 „ 39 „ 27—23½ „

*Habitat*: in regionibus fluminis Orinoco: circum Perico, Maipures, etc.

*Typus*: Mus. Berlepsch, no. 11350 ♂, Maipures 6. xii. '98.

Perico: ♂♂ 23. ix., 19, 20. xi. '98; ♀♀ 22, 30. ix. '98.

Quiribana de Caicara: ♂ 29. iv. '98; ♀ 27. iv. '98.

Maipures: ♂♂ 6, 13, 22. xii.; ♀ 27. xii. '98.

Bichaco: ♂ 18. ix. '98.

Snapure: ♂ 21. ii. '99 (Klages).

La Pricion: ♂♂ 14. xii. 1900; ♀ 5. ii. 1901 (E. André).

Nericagua: ♂♂ 5. iv. '99; 25. iii. '99.

Munduapo: ♂♂ 20. ii., 12. iii.; ♀ 10. ii. '99.

“Iris seal-brown; feet slate-grey; bill blackish slate above, below dusky grey with blackish tip.”

(Nos. 10844, 10874, 11172, 11193, 11200, 11240, 11280, 11281, 11288, 11350, 11463, 11578, 11625, 11899, 12027, 12200, 12249, 12427 Cherrie coll.)

This form comes nearest to *D. rostripallens* Des Murs of Upper Amazonia, but differs by its blackish maxilla, somewhat slenderer bill, and more olivaceous less rufescent underparts of the body. The specimens from Munduapo and Nericagua come very close to true *D. rostripallens* in having the maxilla partly pale-coloured and the under-surface of the body more rufescent. A specimen from Quonja, British Guiana (coll. Whitely), agrees with our birds from Perico, etc. Specimens from Pto. Cabello in Mus. H. v. B. are somewhat smaller, and form the passage to *D. nana* (Lawr.) ex Panama.

It is not without hesitation that we introduce a new name into this already complicated group of the genus *Dendroornis*, but the form from the Orinoco does not quite agree with any of the hitherto recognised forms, and none of the numerous names already in existence can be safely applied to it. We now propose the name *Dendroornis rostripallens sororia* for the Orinoco bird. A thorough

understanding of the various allied forms can only be effected by a comparison of Lafresnaye's and Des Murs' types, and with a larger material than is available at present in any one museum. Hartert has compared most of the material in the British Museum, and he has come to the conclusion that *Dendroornis guttatoides* Selater (nec Lafr!) *Cat. B. Brit. Mus.* XV., p. 128, from Cayenne and British Guiana, is the same as our *D. r. sororia*; while the real *Dendroornis* ("*Nasica*") *guttatoides* Lafr., *Rev. et Mag. Zool.* 1850, p. 387 (ex Colombia), is quite a different bird, with a much more rufous underside. The description of *Nasica beauperrhuysii* Puch. et Lafr., *Rev. et Mag. Zool.* 1850, p. 419 (ex Peru), also does not suit our *sororia*. (*N. beauperrhuysii* is given by Selater [*Cat. B.*, XV., p. 133] as a synonym of *Dendroornis susurrans*, but this can hardly be correct!) *Dendroornis eytoni* Sel. is also somewhat similar to our *sororia*, but the apparently entirely black bill, whiter throat and pectoral spots distinguish it well enough. The types of *Dendroornis polysticta* have also a much whiter throat, more blackish edges to the feathers of the jugulum and breast, and a shorter bill; but Hartert has the impression that they are not very adult, and he thinks that it is not quite impossible that they are the young of our *sororia* (= *guttatoides* Sel. nec Lafr.), and that one of the skins in the British Museum supposed to be *polysticta* is certainly indistinguishable from Selater's "*guttatoides*" (from the same locality!) and our *sororia*. More material must be examined.

#### 220. *Dendroornis pardalotus* (Vieill.).

*Dendrocopus pardalotus* Vieill., *Nouv. Dict.* XXVI. (1818) p. 117 (ex Cayenne).

Nericagna: ♂♂ 31. iii. '99; ♀ 1. iv. '99; ♀ 31. iii. '99. "Iris seal, feet slate-grey, bill above clove-brown, below smoke-grey."

(Nos. 12335, 12336, 12352 Cherrie coll.)

Snapure: ♂♂ 15. ii. '99; 11, 28. iv. '99; ♀♀ 13, 25. iv. '99; 9. xii. '99 (Klages).

La Pricion: ♀ 15. xii. 1900 (André).

#### 221. *Dendroornis obsoleta notata* (Eyt.).

[*Dendrocolaptes obsoletus* Licht., *Abhandl. Akad. Berl.* (1818-19) publ. 1820 (ex Pará—cf. *ibid.* 1822, p. 265).]

*Picolaptes notatus* Eyton, *Contr. Orn.* 1852 p. 26 (no locality—We substitute Rio Negro).

*Dendroplex similis* Pelz., *Zur Orn. Bras.* (1868) pp. 46, 64 (ex Eng. d. Gama, Matogrosso, etc.).

Altagracia: ♀♀ 13, 17, 21. i. '98.

Munduapo: ♂♂ 3, 7, 10, 11, 23, 25. ii., 1, 3, 12. iii. '99; ♀♀ 2, 4, 18. ii. '99.

Caicara: ♂ 9. iii. '98.

Maipures: ♂♂ 31, 6. xii. '98.

Nericagna: ♂ 23. iii. '99.

"Iris seal, feet slate-grey, bill dusky fawn-colour, below drab."

(Nos. 9682, 9733, 9800, 9947, 10429, 10536, 11367, 11666, 11821, 11827, 11898, 11915, 11996, 12077, 12124, 12125, 12148, 12173, 12198, 12199, 12221 Cherrie coll.)

♂♂ al. 102—98, cand. 86—75, enlm. 26½—23, tars. 21—20½ mm.

♀♀ ,, 90—89, ,, 77—73, ,, 24½—21½, ,, 20—19½ mm.

Snapure: ♂♂ 25. iv., 27. v. '99 (Klages); ♀ 27. ii. '99 (Klages).

La Pricion: ♂♂ ♀♀ February and December. "Irides brown, beak whitish brown, lower mandible paler, feet greenish olive to greyish brown" (E. André).

Hartert has compared our skins with the type of *Picolaptes notata* Eyt. in the British Museum, and found them to agree perfectly.

Berlepsch has compared Cherrie's skins with Natterer's specimens from Matogrosso (*D. similis* Pelz.), and has found them also to agree perfectly with the latter. Berlepsch has further examined the type of *Dendocolaptes obsoletus* of Lichtenstein in the Berlin Museum, and has stated that it comes nearest to our birds, but differs by the rufescent stripes on the back, being less conspicuously (or not at all) bordered laterally by black. More specimens from Pará will show perhaps that this is an individual character, and that *D. obsoleta* is a species inhabiting a large area, viz. Amazonia, Matogrosso, and the Orinoco region. *D. multiguttata* Lafr., from Upper Amazonia, united by Selater with *D. similis* of Pelzeln, is apparently distinguishable by its slightly more rufescent undersurface of the body, somewhat stronger bill, and longer wing.\*

### 222. *Dendroplex picus* (Gm.)

*Oriolus Picus* Gm., *Syst. Nat.* i, 1. (1788) p. 384 (ex Buff.—Cayenne).

Perico : ♂♂ 20. xi., 23. ix. ; ♀♀ 24. ix. 20. xi. '98.

Maipures : ♂♂ 8, 10, 14. xii. '98 ; ♀♀ 12, 23, 31. xii. '98.

"Iris vandyke (hazel) ; feet dusky greenish, sage-green, pea-green, greyish pea-green ; bill whitish horn ; dusky grey at base of maxilla ; vinaceous pink, pale greyish horn ; slate-black at base of mandible."

(Nos. 11201, 11219, 11225, 11289, 11290, 11291, 11391, 11410, 11437, 11469, 11589, 11667 Cherrie coll.)

### 223. *Dendroplex picirostris* (Lafr.)

*Dendrocolaptes picirostris* Lafr., *Rev. Zool.* 1847 p. 76 (typ. ex Rio Hacha, Colombia).

Altagracia : ♂♂ 9, 16. xi., 1, 7, 15. xii. '97 ; 6, 13, 28. i. '98 ; ♀♀ 4, 8, 19. xi., 11, 14, 15, 21. xii. '97 ; 13, 15, 19. i. '98.

Caicara : ♂♂ ad. 14. ii., 4. iv. '98 ; ♀♀ 14. ii. '98 ; ♂ juv. 2. viii. '98.

"Iris vandyke, chocolate, seal-brown ; feet sage-green, olive ; bill vinaceous pink, horn-colour, pale horn.

(Nos. 8466, 8516, 8543, 8675, 8742, 8955, 9071, 9169, 9204, 9233, 9234, 9330, 9543, 9678, 9679, 9680, 9723, 9745, 9883, 9884, 10054, 10055, 10056, 10698, 11067 Cherrie coll.)

Ciudad Bolivar : ♀♀ (?) 10. 27. xii., 6. viii. '98 (Klages).

There is a certain amount of variation in the more or less rufous or olive-brown tinge both below and above, and the specimens from Ciudad Bolivar are mostly somewhat more olive.

The young *male* from Caicara (no. 11067 in Tring Museum) is like the adult birds, only the bill is much darker ("dusky blackish"! ) and much shorter.

### 224. *Xiphocolaptes orenocensis* sp. nov.

*X.* corpore supra obscure olivaceo rufo-brunneo, pileo nigrescente, pilei nucliaequa plumis lineis angustis fulvo-albis scapalibus instrinctis ; gula rufescenti alba, corpore inferiore reliquo capitisque lateribus fulvescenti rufo-brunneis, colli

\* The type of *D. multiguttata* came from Fonteboa. Berlepsch has a specimen from Sarayaçu, E. Peru, which he believes to be identical with it.

inferioris pectoris ventrisque superioris capitisque laterum plumis stria mediana fulvo-alba signatis, abdominis medii plumis maculis pogonio utroque tribus nigris (fasciis instar) praeditis, alis caudaque obscure castaneis, rostro albo-corneo.

*Observatio*: *X.* colore corporis *X. promeropirhynchus* dicto similis, sed dorso obscuriore brunneo, pectore abdomineque magis rufo-brunneo, minus olivaceo, alis caudaque quoque obscurius castaneis, rostro longiore et crassiore, alis caudaque pro usu longioribus distinguendus.

Al. 140, 143, 145, 146; cand. 125, 120, 130, 133; culm.  $52\frac{1}{2}$ , 56, 57; tars. 32,  $32\frac{1}{2}$ , 33, 34 mm.

*Habitat*: in vic. locorum Nericagna et Munduapo dictorum, Orinoco.

*Typus*: in Mus. Tring ♂ Nericagna, no. 12484.

Nericagna: ♂ (ad.) 12. iv. '99.

Munduapo: "♀ ♀" (ad.), 23, 25. ii. '99; juv. 15. ii. '99.

(Nos. 11963, 12075, 12105, 12484 Cherrie coll.)

"Iris seal; feet plumbeous pea-green; bill dusky drab-grey, below pale smoke-grey."

This quite distinct new species has a very long and powerful bill, agreeing in form nearly with that of *X. major*, while in its coloration it resembles most *X. promeropirhynchus*, differing, however, in its darker back, and the more rufous brown, less olivaceous tint of the lower parts of the body, as well as in the much darker chestnut of its tail and wings.

(*X. emigrans* of Central America is smaller, and is easily distinguished by the much lighter tail, while the colour of the upper surface is not so very different.)

## 225. *Picolaptes albolineatus* (Lafr.).

*Dendrocolaptes albolineatus* Lafr., *Rev. Zool.* 1846 p. 208 (Colombie ou Mexique \*).

Quiribana de Caicara: ♂♂ 2, 7, 8, 29. iv. '98; ♀♀ 6, 11, 25. iv. '98.

Caicara: ♂♂ 23. ii. '99; 25. vi. '98.

"Iris seal, feet dusky pea-green, bill blackish at base, drab at tip, pale grey below."

(Nos. 10217, 10584, 10635, 10640, 10658, 10660, 10694, 10815, 10876, 10964 Cherrie coll.)

## 226. *Nasica longirostris* (Vieill.).

*Dendrocopus longirostris* Vieill., *Nouv. Dict.* XXVI. (1818) p. 117 (ex "Brésil" †).

Maipures; 7. xii. '98; ♂ 9. xii. '98.

Perico: ♂ 22. xi. '98.

Nericagna: ♂ 12. iv. '99.

Salvajito: ♂ 29. xi. '98.

Munduapo: ♂ 23. ii.; ♀♀ 11, 16. ii. '99.

"Iris seal, dusky vandyke, chestnut; feet slaty (plumbeous); bill above pale horn, below vinaceous (dusky brownish towards base of maxilla), pale vinaceous horn-colour, pale drab brown, dusky at base."

(Nos. 11318, 11349, 11369, 11408, 11965, 12078, 12485 Cherrie coll.)

\* We substitute Bogotá.

† We substitute Rio Negro.

227. *Xiphorhynchus trochilirostris* (Licht.).

*Dendrocolaptes trochilirostris* Licht., *Abh. Akad. Berl.* 1820, p. 207, tab. 3. (ex Bahía, cf. *Abhandl.* 1822, p. 263).

Altigracia : ♂♂ 15. i. '98, 30. xi. '97, 4. ii. '98, ♀ 15. xii. '97.

Caicara : ♂ 11. iii. '98.

Quiribana de Caicara : ♂ 30. iv. '98.

"Iris dark sepia; bill vinaceous rufous (hazel); feet olive-green."

(Nos. 8940, 9235, 9724, 10000, 10456, 10887 Cherrie coll.)

228. *Dendrocincla merula* (Licht.).

*Dendrocolaptes merula* Licht., *Abh. Akad. Berl.* 1820 p. 208 (ex Cayenne, typ. in Mus. Berol.).

Munduapo : ♂ 25. ii. '99.

Nericagua : ♂♂ 7. iv., 24. iii. '99.

"Iris olive-brown, feet plumbeous, bill above clove-brown, below olive-grey, dusky at base."

(Nos. 12109, 12111 Cherrie coll.)

Suapure : ♂♂, 20, 21. ii. '99; ♀ 20. ii. '99.

"Iris light grey, feet grey, maxilla black, mandible nearly white, slightly tinged with yellowish grey" (Klages).

Nicare : ♀ 9. i. 1901 (E. André).

228A. *Dendrocinda phaeochroa* sp. nov.

*D. D. meruloides* (Laf.) dictae affinis, sed paulo major et corpore supra subtusque obscure olivaceo-brunneo, minus rufescente tincto, necnon gula sordide albescente (nec gula collo concolore) distinguenda.

♂♂ al. 108, 109; caud. 94; culm. 29; tars. 24½ mm.

♀♀ al. 106, 107, 108; caud. 86, 86½, 87; culm. 28¾; tars. 24½ mm.

Typus : ♂, Munduapo 10. ii. '99 (no. 11895 Cherrie coll.).

*Hab.* Ad flumina Orinoco et Caura dicta.

Munduapo : ♂♂ 10 (ter), 16, 18, 25. ii. '99; ♀ 10. ii. '99.

Maipures : ♂♀ 9, 13. xii. '98.

Nericagua : ♂♂ 24. iii., 7. iv. '99.

(Nos. 11398, 11462, 11894, 11895, 11897, 11975, 12006, 12110, 12245, 12459 Cherrie coll.)

Suapure : ♂♀ 18, 20. ii. '99; ♀ 15. v. '99 (Klages coll.).

La Pricion : December 1900 (E. André).

This new species differs from *D. meruloides* from Venezuela (Cumana, San Esteban, etc.) in its less reddish, darker and more olivaceous brown colour, its distinctly whitish upper throat and slightly larger dimensions. It differs from *D. merula*, which occurs in the same localities, by its larger bill with a brownish, less blackish upper maxilla, more olivaceous, less rufous upper wing-coverts, lighter colour above and below, less contrasting, less chestnut-rufous under tail-coverts, and paler under wing-coverts and lining of the quills.

It is most interesting to find *D. merula* and *D. phaeochroa* in the same localities. Hartert hesitated for some time to recognise them as two species, but he is now, together with Berlepsch, fully convinced of the correctness of their distinctness.



229. *Dendrocolaptes certhia* (Bodd.).

*Picus certhia* Bodd., *Tabl. Pl. Enl.* (1783) p. 38 (ex *Pl. Enl.* 621.—Cayenne).

Nericagua : ♂♂ 29. iii., 1, 7. iv. '99 ; ♀ 31. iii. '99.

Munduapo : ♂ ♀ 23, 25. ii. '99.

“ Iris seal ; feet plumbeous (pea-green, sage-green) ; bill above brown, below pale russet, clove-brown russet at extreme base of mandible.”

Mataben : ♂♂ 6. ii. '99 (Cherrie).

Snapure : ♂♂ 22. iv., 25. v. '99 (Klages).

Nicare : ♂♂ 18. i. 1901 (André).

La Pricion : ♀ 15. xii. 1900 (André).

(Nos. 11838, 11839, 12076, 12106, 12304, 12334, 12355, 12460 Cherrie coll.)

230. *Cymbilanius lineatus* (Leach).

*Lanius lineatus* Leach, *Zool. Misc.* I. Pl. VI. p. 20 (1814). (Hab. Berbice, Brit. Guiana.)

La Pricion, Caura R. : 3 ♂♂ Feb. 1901 ; 3 ♀♀ Dec. 1900 (E. André).

Nicare : ♂ 18. i. 1901. “ ♂ Iris red-brown ; upper bill black ; lower grey ; feet blue-grey ” (E. André).

Snapure : ♀ 13. iii. '99 (S. M. Klages). “ ♀ Iris red ; feet light grey ; bill, maxilla black, mandible light grey.”

231. *Thamnophilus lunulatus* (Less.).

*Lanius lunulatus* Less., *Traité d'Orn.* p. 375, Pl. XLV. fig. 2 (Cayenne). (Scater, *Cat. B.* XV. p. 183, quotes as the first name of this species *Thamnophilus viridis* Vieill., *Nouv. Dict.* III. (1816) p. 183, though not accepting it. We cannot see how this name can be placed among the synonyms of this species, as the bird is described as green above, while it has no green in the plumage, and the locality is uncertain. On the other hand it appears quite safe to accept the name *lunulatus*, and we do not know what reason induced Mr. Scater to reject it.)

*Thamnophilus fuliginosus* Gould.

Snapure, Caura R. : 25. x. 1900. “ Iris red ; feet blue-grey ; bill black ” (S. M. Klages).

232. *Thamnophilus major albicrissus* (Ridgw.).

[*Thamnophilus major* Vieill., *Nouv. Dict.* III. (1816) p. 313 (ex Azara—Paraguay).]

*Thamnophilus albicrissus* Ridgw., *Proc. U.S. Nat. Mus.* XIV. (1891) p. 481 (ex Trinidad).

Caicara : ♂♂ 23, 24. vi., 1. iii., ♀♀ 23. ii., 23. vi. '98.

Perico : ♂ 23. ix., ♀ 23. ix. '98.

Maipures : ♀♀ 6. xii., 30. xii. '98.

Munduapo : ♂ 3. iii., ♀ 9. ii., ♂ 18. ii. '99.

Snapure : ♂♂ January, April, ♀ June '99 (Klages).

La Pricion : 5 ♂♂, 1 ♀ February, December (André).

“ Iris madder-brown ; feet plumbeous ; bill blackish, slate at base of mandible.”  
♀ “ Iris inner ring madder, outer rufous.” “ Iris rufous brown.”

(Nos. 10223, 10344, 10954, 10955, 10959, 11198, 11199, 11351, 11655, 11885, 11995, 12172 Cherrie coll.)

An adult *male* of the so-called Orinoco-make in Mus. H. v. B. has the wings and tail shorter and the bill thicker and shorter. Specimens from Cumana (Venezuela) also have the wings and bill shorter in many cases, but not always. Freshly moulted *Th. major albicrissus* show distinctly white edges to the remiges, but they are narrower than in typical *major*, and the tail has always considerably less white.



233. *Thamnophilus* sp. inc.

Nicare : ♀ 19. i. 1901.

La Pricion : ♀ ♀ 15. xii. 1900 : 31. i. 1901. "Irides pale yellowish brown ; upper bill black, lower silvery grey ; feet bluish grey" (E. André).

These birds appear to be allied to *Th. luctuosus*, the *female* of which is unknown to us. *Th. luctuosus*, however, is only known from Lower Amazonia. The ♀ of *Th. aethiops* differs considerably.

234. *Thamnophilus cinereoniger* Pelz.

*Thamnophilus cinereoniger* Pelz., *Orn. Bras.* (1870) pp. 76, 143 (ex Rio Negro, etc.).

Muuduapó : ♂ ♂ 13, 14, 15, 20, 25. ii., 3, 4. iii., ♀ juv. 10. ii., ♂ ♂ 9, 13 (bis), 14, 15, 16, 18, 25. (bis) ii. '99.

Maipnes : ♂ ♂ 13. xii., ♂ juv. 9. xii., ♀ 18. xii. '98.

Altagracia : ♂ ♀ 4. ii. '98.

"Iris sepia brown ; feet plumbeous ; bill black, below blackish slate." "Iris dusky grey ; bill black above and below."

(Nos. 9991, 10003, 11406, 11460, 11461, 11509, 11880, 11905, 11935, 11936, 11937, 11946, 11947, 11958, 11959, 11969, 12005, 12028, 12116, 12117, 12118, 12171, 12178 Cherrie coll.)

Berlepsch has compared these skins with typical birds collected by Natterer on the Rio Negro, and has found them agreeing in every respect.

235. *Thamnophilus murinus* Scl. & Salv.

*Thamnophilus murinus* Scl. & Salv., *P. Z. S.* 1867 p. 756 (ex Natterer's MS. *Hab.* Cayenne, Marabitanas, Barra do Rio Negro, Xeberos—we accept Barra do Rio Negro as the typical habitat—ex Natterer).

Suapure, Caura R. : ♂ ad. 29. iii. '99 ; "♂" juv. (in the plumage of a ♀), 9. iv. ♀ ♀ 9, 11. iv. 1900 (S. M. Klages).

La Pricion, Caura R. : ♂ 15. xii. 1900 (André).

La Union, Caura R. : ♂ (err. sexed ♀) 17. xii. 1900 (André).

"Iris brown or dark grey ; feet grey ; maxilla black ; mandible greyish."

Our specimens agree well with those collected by Natterer.

236. *Thamnophilus naevius* (Gm.).

*Lanius naevius* Gml., *Syst. Nat.* i., 1 (1788) p. 308 (ex Lath.—Cayenne).

Altagracia : ♂ 45. ii., ♀ ♀ 4, 5. ii., 27. i. '98.

Muuduapó : ♂ ♂ 8. ii., ♀ ♀ 8, 10. ii., ♀ 10. ii. '99.

Nericagua : ♂ ♂ 25. iii., 5. iv., ♀ ♀ 25, 28. iii., 31. iii. '99.

Rio Catañapa : ♂ ♀ 25. xi. '98.

La Pricion : ♂ ♂ ♀ ♀ February, December (E. André).

La Union : ♀ 21. xii. 1900 (E. André).

Suapure : ♀ 22. vi. '99 (Klages).

"Iris burnt umber, smoke grey, seal." ♀. "Iris vandyke ; feet cinereous, plumbeous ; bill black above, slate below (slaty grey at base of mandible)."

(Nos. 9860, 10001, 10002, 10021, 10022, 11337, 11338, 11872, 11873, 11906, 11907, 12252, 12285, 12341, 12424 Cherrie coll.)

237. *Thamnophilus cinereiceps* Pelz.

*Thamnophilus cinereiceps*, Pelz., *Orn. Bras.* (1870) pp. 77, 145 (ex Marabitanas, Rio Negro, etc.).

Maipures : ♂♂ 6, 12, 13, 20, 21, 28. xii. '98 ; 7. i. '99 ; ♀♀ 20, 21, 28. xii. '98 ; ♂ juv. 7. i. '99.

Munduapo : ♀♀ 9. ii., 2. iii., ♂♂ 11. ii., 2. iii. '99.

Perico : ♂ 24. ix. '98.

Mataben : ♂ 6. ii. '99.

" Iris seal ; feet slate-grey ; bill black, dusky slate at base of mandible."  
" Iris sepia brown ; feet plumbeous."

(Nos. 11213, 11360, 11454, 11459, 11544, 11545, 11566, 11567, 11568, 11638, 11639, 11694, 11695, 11840, 11881, 12157, 12158, 11914 Cherrie coll.)

Compared by Berlepsch with a *male* collected by Natterer at Marabitanas, which is in no way different.

238. *Thamnophilus canadensis trinitatis* (Ridgw.).

[*Lanius canadensis* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 134 (ex Briss.—Canada, errore !).\*]

*Thamnophilus trinitatis* Ridgw., *Proc. U.S. Nat. Mus.* XIV. (1891) p. 481 (Trinidad).

Altagracia : ♂♂ ad. 4, 5, 8, 12, 19, 24. xi., 3, 11. xii. '97, 15. i. '98 ; ♀♀ 11, 15, 18, 19. xi., 10, 20. xii. '97 ; 24. i. '98 ; ♂♀ juv. 8, 19. xi., 11, 15. xii. '97.

Quiribana de Caicara : ♀ 19. iv. '98.

Sta. Barbara : ♀ 4. ix. '98 (Cherrie).

Ciudad Bolivar : ♂♂ Dec. '98, ♀ Nov. '98.

Suapure : ♀ 17. iv. '99 (Klages).

Munduapo : " ♂ " ad. 8. ii., ♀ 16. ii. '99.

Maipures : ♂ ad. 10. xii. '98.

" Iris seal-brown, dusky brown, vandyke brown, blackish ; feet plumbeous ; bill black (black above, plumbeous below—slaty below)."

(Nos. 8456, 8473, 8510, 8511, 8512, 8571, 8596, 8634, 8719, 8734, 8735, 8831, 9008, 9009, 9135, 9151, 9152, 9230, 9297, 9707, 9796, 10791, 11150, 11415, 11871, 11970 Cherrie coll.)

La Pricion : February, December.

La Union : December (André).

A nest was taken by Cherrie at Sta. Barbara on the 4th of September. The *female* was taken on the nest (skin No. 11150). The nest is hanging on a forked twig, in the way that an Oriole's nest hangs. It is a rather thin-walled structure, not more than 9 by 6 cm. across. It was placed in a small, six-foot-high tree in a dark, dense forest near the river, and contained two fresh eggs. The eggs are short ovate, glossy white with frequent red-brown spots. They measure 21 by 16 and 20.5 by 16 mm.

239. *Thamnophilus doliatus fraterculus* subsp. nov.

[*Lanius doliatus* Linn., *Mus. Ad. Frid.* II. Prodr. (1764) p. 12 (loc. ign.†).]

*Th.* ♂ a mari *L. doliatus* dicti differt plumis pilei albis latius nigro terminatis, vittis nigris in corpore inferiori multo angustioribus, necnon vittis albis in rectricibus latioribus, potius maculiformibus nec linearibus.

*Hab.* In Venezuela.

*Typus* : ♂ ad. Altagracia in Mus. H. v. B.

\* We substitute Cayenne.

† We substitute Surinam.

Altagracia : ♂♂ 4, 9, 12, 23. xi., ♂♂ jnv. 6, 16, 17. xi., 8. xii., ♀ pull. 23. xi., ♀♀ 17, 19. xi. 3. xii. '97.

"Iris straw-yellow ; feet plumbeous ; bill black above, plumbeous below."

(Nos. 8455, 8537, 8595, 8670, 8693, 8695, 8696, 8737, 8759, 8797, 8798, 9010, 9088, 9494, 10220 Cherrie coll.)

Caicara : ♂ ad. 23. xi. '98.

Ciudad Bolivar (Angostura) : ♂♂ 9, 31. viii., 1. ix., 31. xii., ♀♀ 6. viii., 1. ix. '98 (Klages).

The Altagracia, Caicara and Angostura specimens agree with others from Pto. Cabello in Mus. H. v. B. The *males* from Venezuela differ from the *males* from Surinam and Cayenne in Mus. H. v. B. by having the white feathers of the crest more largely tipped with black, the white being consequently more concealed ; also in the under parts of the body being much whiter (the black bars there being much narrower), and by the white bands on the tail feathers being larger, more like spots, and not so linear as in true *doliatus*.

The markings on the throat (in the *males*) are somewhat more longitudinal in this form than in typical *doliatus*. This form seems to be widely spread in Venezuela, and occurs also in the Venezuelan Andes, where another species, *Thamnophilus bricenoi* Hart., Nov. Zool. 1898 p. 220, Pl. IV., is also found.

#### 240. *Pygoptila maculipennis* (Scl.).

*Thamnophilus maculipennis* Scl., *Edinb. Phil. Journ.* n.s. I. (1855) p. 247. "Quixos in Cisandean Ecuador and Chamicurros on the Peruvian Amazon (Gould)." We accept as typical habitat "Peruvian Amazons," as the type said to be from that locality is so marked in the Brit. Mus.

Mundnapo : ♂♂ ad. 18, 20, 27. ii., 1. iii., ♀ 23. ii. '99.

Nericagua : ♂♂ ad. 1. iv., 12. iv., ♂ jnv. 24. iii., ♀ 1. iv. '99.

La Union : ♂♂ ♀♀ Dec. 1900.

La Pricion : ♂♂ ♀♀ December, February (E. André).

"Iris vandyke ; bill above black, below slate grey ; feet plumbeous."

(Nos. 12015, 12029, 12088, 12132, 12146, 12239, 12360, 12361 Cherrie coll.)

#### 241. *Dysithamnus ardesiacus* Scl. & Salv.

*Dysithamnus ardesiacus* Scl. & Salv., *P. Z. S.* (1867) p. 756 (Ecuador—type Rio Napo).

Suapure, Canra R. : ♂♂ 4. v., 23. vi. '99 (S. M. Klages).

La Pricion : ♀♀ 14. xii. 1900 ; 2. ii. 1901 (E. André).

Nicare : 4 ♂♂ 18, 28. i. 1901 (E. André).

La Union : ♂♂ 17, 21. xii. 1900 (E. André).

"♂♀ Iris brown ; upper mandible black, lower dark grey ; feet slate" (André).

#### 242. *Thamnomanes glaucus* Cab.

*Thamnomanes glaucus* Cab., *Wieg. Arch.* 1847, t. 3 (1847) p. 230 (typ. ex Cayenne).

Mundnapo : ♂♂ ad. 7, 18, 23, 27. ii., ♀♀, ad. 3, 7, 23, 27. ii. '99.

Bichaco : ♂ ad. 18. ix. '98.

"Iris dusky or seal ; feet plumbeous (slate-grey) ; bill black above, below dusky slate (pale below)."

(Nos. 11175, 11824, 11825, 11857, 11858, 12002, 12003, 12041, 12090, 12091, 12128, 12129, 12379 Cherrie coll.)

Nericagna : " ♀ juv." 3. iv. '99.

Snappre : ♂♂ ♀♀ April, June, November (Klages).

La Pricion : ♂♂ ♀♀ February, December (André).

Nicare : ♂♂ ♀♀ Jan. 1901 (André).

La Union : ♂♀ December (André).

### 243. *Myrmotherula cherriei* sp. nov.

♂ mari *M. surinamensis* dictae similis, sed cauda multo longiore, striis nigris subtus latioribus, rostro toto nigro facile distinguendus. ♀ feminae *M. surinamensis* dictae dissimilis, subtus luteola late nigro striata, cauda longiore, pileo nigro plumis lateolo marginatis. Long. tot. ca. 94, al. 50—52, caud.  $30\frac{1}{2}$ — $32\frac{1}{2}$ , rostr.  $14\frac{1}{2}$ — $15\frac{1}{2}$ , tars. 17—18 mm.

*Tab.* Ad flumen Orinoco dictum et in Cayenne. (Typus no. 11292, Perico 20. xi. '98 Cherrie coll.)

Perico : ♂♂ ad. 23, 24, 25. ix., 20. xi., ♀♀ 23. 27. ix., ♂ juv. 27. ix. '98.

Maipures : ♂♂ 7, 8. xii., ♀ 9. xii., ♂ juv. 8. xii.

" ♂ ad. Iris seal ; feet plumbeous ; bill entirely black."

(Nos. 11203, 11204, 11205, 11212, 11216, 11229, 11237, 11292, 11381, 11387, 11402 Cherrie coll.)

This hitherto overlooked species differs from *M. surinamensis* in the *male* sex in its much longer tail, the much wider black stripes on the under surface, the middle of the throat and abdomen also being striped, rather wide white tips to the rectrices, shorter white borders to the feathers above, so that the upper surface appears blacker, and black mandible as well as maxilla. The *female* is still more strikingly distinct. The crown and hindneck are black with buff edges to the feathers, the under-surface is buff striped with black. The tail is much longer. The sexes are equally large.

Hartert has examined the series in the British Museum, and finds that the skins from Oyapoc, in Southern Cayenne, belong to our new species, one of them (already queried by Dr. Selater), however, apparently erroneously labelled, being *M. surinamensis*.

These birds have nothing to do with Selater's *multostriata*.

*M. multostriata*\* (type from Ucayali, Peru) has a *female* with a striped under-surface ; but the stripes are narrower, and the crown is black with deep rusty cinnamon edges to the feathers ; the *males* are whiter below, with the black stripes narrower ; the middle of the throat and abdomen are almost pure white ; moreover the adult *male* has a whitish under mandible. Selater was wrong when he stated (*Cat. B. Brit. Mus.* XV. p. 231) that his *multostriata* was based on young *males* ; nor does the series in the British Museum show that "intermediate forms are represented in specimens from Panama, Guiana, and Colombia." The striped under-surface of *multostriata* stamps it as at least a very well marked subspecies of *M. surinamensis*.

Our *M. cherriei* is, by its long tail, somewhat more allied to *M. longicauda* Berl. & Stolz., † from Central and North Peru and Bolivia, which, however, has the throat and middle of the abdomen uniform white, unstriped in the *male*, and a still longer tail. The *female* of *longicauda* has the crown black with buff, not chestnut-rufous edges, and the under surface is much lighter and very little striped.

\* Sel., *P. Z. S.* 1858 p. 231. pl. 141 (*M. multostriata* would have been more correct).—E. H.

† *Ibis*, 1894, p. 394.

244. *Myrmotherula surinamensis* (Gm.).

*Sitta surinamensis* Gm., *Syst. Nat.* I, 1 (1788) p. 442 (ex Latham—Surinam).

Munduapo : ♂ ad. 15. iii. '99. "Iris seal ; feet slate ; bill above black, below slate grey." (No. 12212 Cherrie coll.)

Nicare, Caura R. : ♂ ♂ ♀ Jan. 1901. "Upper mandible black, lower grey, feet light slate grey" (E. André).

La Pricion, Caura R. : ♂ 7. ii. 1901 (E. André).

Mato River : ♀ ♀ 10. iii., 24. ii. 1900 (S. Klages).

Suapure : ♀ ad. 29. iv. '99 (S. Klages).

These specimens agree fully with others from British Guiana, collected at Camacusa, Carimang and Takutu rivers, by the late H. Whitely, which are evidently referable to the true *surinamensis* of Gmelin (ex Latham). The *females* of this form have the whole crown chestnut rufous, striped with black, and the under-surface is uniform rusty buff, very seldom with a few indications of narrow stripes. The *males* have the under mandible always whitish, not pure black, as in *M. cherriei*.

245. *Myrmotherula pygmaea* (Gm.).

*Muscicapa pygmaea* Gm., *Syst. Nat.* I, 1 (1788) p. 933 (ex Daubenton & Buffon—hab. Cayenne).

La Pricion, Caura R. : ♂ ad. 18. ii. 1901. "Irides blackish ; upper mandible black, lower grey ; feet and toes olive-green" (E. André).

246. *Myrmotherula guttata* (Vieill.).

*Myrmothera guttata* Vieill., *Gal. Ois.*, I, (1825) p. 251, Pl. CLV. (Cayenne).

La Union, Caura R. : ♂ ad. 17. xii. 1900 (E. André).

La Pricion, Caura R. : ♀ 13. xii. 1900 (E. André).

♂ ad. "Irides brown ; upper mandible black, lower silvery grey."

247. *Myrmotherula pyrrhonota* ScL. & Salv.

*Myrmotherula pyrrhonota* ScL. & Salv., *Nomencl. av. neotr.* (1873) pp. 72, 160 (ex Rio Negro, coll. Natterer, etc.).

Nericagna : ♂ ♂ ad. 22, 24. iii., 12. iv., ♀ ♀ 22. iv., 25. iii. '99.

Munduapo : ♀ ♀ 3, 20, 27. ii., ♂ 18. ii. '99.

"Iris wood-brown ; feet plumbeous ; bill black (black above, below slate-grey).

(Nos. 11817, 12010, 12021, 12133, 12229, 12250, 12486, 12528, 12529 Cherrie coll.)

Suapure : ♂ ♂ 5. iv., 10. xi. 1900 (Klages).

La Pricion : ♂ ♂ February, December, ♀ December.

Nicare : ♂ ♂ ♀ Jan. 1901 (E. André).

248. *Myrmotherula axillaris* (Vieill.).

*Myrmothera axillaris* Vieill., *Nouv. Dict.* xii. (1817) p. 113 ("La Guyane," sc. Cayenne).

Suapure (Caura) : ♂ ♂ 11, 12, 13. iv., ♀ 11. iv., ♂ juv. 14. iv. '99 (Klages).

La Pricion (Caura) : ♂ ♂ 13, 14, 16. xii. 1900, 4. ii. 1901.

Nicare : ♂ ♂ 18, 19. i., ♀ 18. i. 1901 (André).

"♂ Irides black ; bill black ; feet and toes dark slate."



249. *Myrmotherula melaena* (Scl.).

*Formicivora melaena* Scl., *P.Z.S.* 1857 p. 130 (*typ. ex Bogotá*).

Maipures : ♂♂ ad 6, 7, 11, 27. xii., ♀♀ 6, 7, 24. xii. '98, 10. i. '99.

Perico : ♂♂ 23, 25. ix., ♀ 28. ix., ♂ juv. 22. ix. '98.

Bichaco : ♂♀ ad. 18. ix. '98.

Mundnapo : ♀♀ 7, 8. ii. '99.

"Iris seal brown : feet plumbeous ; bill black (blackish above, plumbeous below)."

(Nos. 11177, 11178, 11180, 11209, 11210, 11230, 11358, 11359, 11379, 11380, 11427, 11602, 11708, 11768, 11851, 11860 Cherrie coll.)

An adult *male* from Sarayacu, E. Ecuador, in Mus. H. v. B. agrees fully with Orinoco skins, but Bogotá skins (the type is from Bogotá) are as a rule deeper black above than the Orinoco specimens.

A nest containing two eggs was taken on the 10th of January, at Maipures, by Mr. Cherrie. The small nest stood about seven feet above the ground in the midst of a thicket of bamboo. It is fastened on a forked branch like an oriole's nest (*Oriolus galbula*), about 8 cm. long, 5 to 7 wide on the top, cup  $5\frac{1}{2}$  cm. deep and only about  $3\frac{1}{2}$  wide at the top. The nest is loosely composed of dried and half-decayed reed-leaves and other ordinary leaves, and lined with hair. The two eggs were considerably incubated. They are creamy white, all over dotted with brownish-red. They measure 17.5 by 12.9 mm. The *female* parent (No. 11708) was caught.

250. *Myrmotherula longipennis* Pelz.

*Myrmotherula longipennis* Pelz., *Zur Orn. Bras.* II. (1868) pp. 82, 153 (*Hab.* Rio Negro).

Suapure, Canra R. : ♂ 11. ii., ♀♀ 11, 13. iv., 31. v. '99. "♀ Iris brown ; feet black, maxilla black, mandible white."

La Union : ♀ Dec. 1900 (André).

La Pricion : ♂ Dec. 1900 (André).

Nicare : ♂♂ juv., ♀ 18. i. 1901 (André).

"♂ ad. Iris dark brown ; beak black ; feet slate-colour."

251. *Myrmotherula cinereiventris pallida* subsp. nov.

[*Myrmotherula cinereiventris* Scl. & Salv., *P.Z.S.* 1867 p. 756 (*ex Cayenne, etc.*).]

*M.* ♂ differt a mari *M. cinereiventris* dictae colore pallidior cinereo, ♀ etiam colore dilutior.

Mundnapo : ♂♂ ad. 4, 8, 13, 18. ii., ♀♀ 4, 8, 27. ii. '99.

Nericagua : ♂♂ ad. 24, 27, 29. iii., ♂♂ juv. 24, 29. iii., ♀♀ 12. iv., 27. iii. '99.

Bichaco : ♀ 18. ix. '98.

Maipures : ♀ ad. 19. xii. '98.

Capuano : ♀ ad. 5. ii. '99 (Cherrie coll.)

Suapure : ♂♂ 2, 9. xi., 22. iii., ♂ juv. 9. xii., ♀ 9. xi. '99 (Klages).

La Pricion : ♂♂ ♀♀ Dec. 1900.

La Union : ♂♂ 18, 20. xii. 1900.

Nicare : ♂♀♀ Jan. 1901 (E. André).

"Iris seal ; feet slate grey (plumbeous) ; bill above black, below slate-grey (below slate-black, below plumbeous)."



(Nos. 11176, 11534, 11829, 11830, 11831, 11859, 11861, 11943, 12011, 12134, 12230, 12231, 12271, 12272, 12297, 12298, 12487 Cherrie coll.)

*Hab.* Ad flumen Orinoco dictum, in Peruvia or., Ecuatoria or.

*Type* : No. 12271, Nericagna 27. iii. '99, Cherrie coll.

These birds differ so conspicuously from specimens from Cayenne and British Guiana by their paler coloration, that it is necessary to bestow a new name on the Orinoco and Cauca river race. The dimensions are the same. Specimens in Mus. Berlepsch from Yquitos (E. Peru) and Eastern Ecuador agree perfectly with the Orinoco birds.

### 252. *Herpsilochmus rufimarginatus frater* (Scl. & Salv.).

[*Myiothera rufimarginata* Temm., *Pl. Col.* 132 fig. 1 (May 1822) (Hab. Brésil.).]

*Herpsilochmus frater* Scl. & Salv., *P.Z.S.* 1880 p. 159 (Typus ex Sarayacu, Ecuador or.).

Suapure, Cauca R. : 3 ♂♂ 9. iv., 3. v., 9 xii. '99, ♀ 25. x. 1900. "♂ Iris dark grey ; feet grey ; maxilla black, mandible light grey at base, grey at tip."

The adult *males* have a large portion of the interscapular region deep black. The Suapure specimens agree with others from Bogotá collections. The less black interscapulum is apparently a sign of immaturity. The authors say in their diagnosis "interscapulio non nigro."

♂ wing 50, 51, 52, tail 46 $\frac{3}{4}$ , culm. 15 $\frac{1}{2}$ , tarsus 18 $\frac{1}{2}$  mm.

### 253. *Formicivora intermedia* Cab.

*Formicivora intermedia* Cab., *Wiegman. Arch.* 1847, pt. 1 (1847) p. 225 (ex Carthagena, etc.).

Altagracia : ♂♂ ad. 5, 9, 10, 16, 18. xi., 3 (bis) 3, 7, 10. xii. '97 ; 7. i. '98 ; ♂♂ juv. 27. xi., 4. xii., ♂ pull. 14. xii., ♀♀ 11 (bis), 15, 16, 18. xi., 4, 29. xii. '97.

Qniribana de Caicara : ♂ ad. 7. iv. '98.

"Iris dusky (seal-brown) ; feet slate (bright plumbeous) ; bill black (blackish)" (Cherrie).

(Nos. 8472, 8549, 8572, 8573, 8581, 8615, 8644, 8666, 8667, 8711, 8712, 8886 8995, 8996, 8997, 9019, 9020, 9063, 9134, 9201, 9453, 9568, 10645 Cherrie coll.)

Ciudad Bolivar : ♂ 15. vi., 3 ♀♀ 13. vi., 12. viii., 20. xii. '98 (Klages).

La Pricion : juv. 5. ii. 1901 (André).

### 254. *Terenura spodioptila* Scl. & Salv.

*Terenura spodioptila* Scl. & Salv., *Ibis* 1881 p. 270, Pl. IX., fig. 1 (British Guiana, type ex Bartica Grove, Whitely coll.).

Suapure : ♂ 5. iv. 1900 ; ♀ 2. xi., '99. "♀ Iris and feet dark grey ; maxilla black, mandible light grey" (S. M. Klages).

Hartert has compared the Suapure skins with the types in the British Museum.

### 255. *Cercomacra napensis* Scl.

*Cercomacra napensis* Scl., *P. Z. S.* 1868 p. 572 (Rio Napo).

Munduapo : ♂ ad. 4, 8, 13. ii. '99.

"Iris dark ; feet plumbeous ; bill blackish above, slate-grey below."

(Nos. 11828, 11870, 11934 Cherrie coll.)

La Pricion : ♂ 13. xii. 1900 (E. André).

La Union : ♂ 20. xii. 1900 (E. André).

256. *Cercomacra tyrannina* (Scl.).

*Pyriglena tyrannina* Scl., *P. Z. S.* 1855 p. 90 (ex Bogotá).

Munduapo : ♂♂ ad. 3, 7, 8, 11, 14, 16. ii., ♂♂ juv. 13, 18. ii., ♀♀ 7, 11, 13, 16. ii. '99.

"Iris seal, sepia brown ; feet slate-colour, plumbeous grey ; bill black above, below slate (below pale grey)."

(Nos. 11174, 11823, 11855, 11856, 11869, 11911, 11912, 11913, 11932, 11933, 11951, 11967, 11968, 12000 Cherrie coll.)

Bichaco : ♀ 18. ix. '98 (Cherrie).

La Union : ♂♂ 18, 21. xii. 1900 (André).

Suapure : ♂ ad. 13. iv., ♂ juv. 29. iii., ♀♀ 11, 18. iv. '99 (Klages).

257. *Cercomacra nigricans* Scl.

*Cercomacra nigricans* Scl., *P. Z. S.* 1858 p. 245 (ex Sta. Martha—Bogotá).

*Pyriglena maculicaudis* Scl., *P. Z. S.* 1858 p. 247 (Trinidad).

Altagracia : ♂ ad. 17. xii., ♀♀ 6, 17. xii. '97. ♂ "Eye dark seal ; feet plumbeous, also one ♂ ad. without label ; bill black above, dark plumbeous below." ♀ "Eye smoke-grey ; feet plumbeous ; bill black above, plumbeous below." (Nos. 9049, 9271, 9272 (♀) Cherrie coll.)

*Cercomacra maculicaudis* is the *male*, *C. nigricans* the *female*; but the latter name was published two pages before, and must therefore be accepted.

258. *Heterocnemis argentata* (Des Murs).

*Herpsilochmus argentatus* Des Murs, *Voy. Casteln. Ois.* (1855) p. 53, Pl. XVII. fig. 2 (typ. ex Nauta Amaz. sup.).

Maipures : ♂ ad. 19. xii., ♂ (?) juv. 21. xii., ♀ ad. 14. xii. '98.

La Union : ♂ juv. (? ♀) 18. xii. 1900 (E. André).

"♂ Iris slate-grey ; feet greyish white ; bill black. ♀ Iris light sepia feet pale vinaceous buff ; bill above black, below slate-grey."

(Nos. 11465, 11529, 11569 Cherrie coll.)

259. *Myrmeciza swainsoni griseipectus* subsp. nov.

[*Myrmeciza swainsoni* Berl., *Ibis* 1888 p. 130 (Pto. Cabello, Venezuela).]

"*M. longipes* Vieill." aut.—errore.

*M. ♂ mari M. swainsoni dictae affinis, differt pectore late griseo (nec albo ut in M. swainsoni), lateribus epigastrii cinerascensibus, abdomine medio solummodo albo.*

*Hab.* in regione fluminum Orinoco et Caura dictorum et in Guiana Britannica.

*Typus* : ♂ ad. Caicara, 17. iii. '98 (no 10507 Cherrie coll.).

This interesting new form is easily distinguishable from typical *Myrmeciza swainsoni*. Compared with a number of skins from Pto. Cabello (Mus. H. v. B.), Trinidad (Mus. Brit.), and Cumana (Mus. Tring. Caracciolo coll., received from E. André) the *males* differ at a glance by their coloration of the underside. In typical *swainsoni* the entire throat and chest is black, followed directly by the white abdominal area ; but in *M. swainsoni griseipectus* the throat and foreneck only is black, followed by a wide ashy grey pectoral band, which colour also runs along the

sides of the breast and abdomen, leaving a much smaller part of the middle of the abdomen white than in typical *swainsoni*. The tarsus is perhaps slightly longer, but otherwise the dimensions are the same. The greater wing-coverts and innermost secondaries are more or less boldly marked with ante-apical black spots, which we have not seen in specimens from the coast regions; but there are a few Orinoco skins that lack these spots. The presence of these black spots is perhaps a sign of immaturity. Tarsus in typical *swainsoni* (Cumana): 27½, 28, 28, 29, 29½ mm.; in *griseipectus*, 29, 29½, 30, 30½, 31, 31 mm.

The female of *M. s. griseipectus* is not so easy to distinguish, but the crown of the head seems always to be of a darker colour, more brown, not so rufous, the sides of the breast and abdomen are strongly washed with olivaceous brown, and all the specimens we have seen have strongly spotted wing-coverts.

Specimens collected in British Guiana by the late H. Whitely belong also to *M. s. griseipectus*.

Caicara : ♂♂ 3, 17. iii., 22, 23, 26. ii., ♂ juv. 26. ii., ♀♀ 22. ii., 17. iii. '98.

Perico : ♂ 30. ix. '98.

Munduapo : ♂ juv. 8. ii., ♂ ad. 13. ii., ♀ 22. ii. '99.

"Iris bright chestnut (chestnut); feet pinkish white; bill black (maxilla black, mandibula slate)."

(Nos. 10203, 10204, 10216, 10283, 10284, 10359, 10507, 10508, 11241, 11864, 11939, 12054 Cherrie coll.)

Suapure : ♂ ad. 8. xii. '99; 22. x. 1900 (Klages).

La Pricion : ♂ ad. 8. ii., ♂ juv. 8. ii. 1901 (André).

### 260. *Myrmeciza atrothorax* (Bodd.).

*Formicarius atrothorax* Bodd., *Tabl. Pl. Enl.* (1783) p. 44 (ex *Pl. Enl.* 701, fig. 2—Cayenne).

Munduapo : ♂♂ ad. 15. ii., 1. iv. '99. Al. 60, 60½, caud. 54, culm. 17¾, tars. 25½ mm.

(Nos. 11961, 12369 Cherrie coll.)

La Union : ♂ 21. xii. 1900 (E. André). Al. 61, caud. 56, culm. 16½, tars. 23½ mm.

La Pricion : ♂ 3. ii. 1901 (E. André).

Nicare : ♂ 18. i. 1901 (E. André).

"Iris light seal-brown; feet mouse-grey; bill black" (Cherrie).

"Iris light brown; beak black; feet blackish" (André).

These agree well with Bogotá skins, but we have no typical Cayenne skins to compare.

### 261. *Hypocnemis flavescens* ScL.

*Hypocnemis flavescens* ScL., *P. Z. S.* 1864 p. 609 (Rio Negro—typ. Marabitanas, in Mus. Brit.).

Suapure, Caura R. : ♂♂ ad. 10, 11. iv. 1900, 10. xi. '99; "♂ (?)" (♂ juv. an ♀) 11. iv., ♀♀ 11, 12. iv. 1900. "♂ Iris grey; feet dark yellow; bill, maxilla black, mandible greyish white" (S. M. Klages).

Nicare, Caura R. : 3 ♂♂ (sexed ♀!), 2 ♀♀ (sexed ♂!) 18, 19. i. 1901 (E. André).

La Pricion, Caura R. : ♂♀ 31. i. 1901. "Iris blackish; upper mandible black, lower light grey; feet and toes brownish yellow" (E. André). Easily distinguishable from *H. cantator* by the sulphur-yellow underside.

La Union, Caura R. : ♂ 17. xii. 1900.

262. *Hypocnemis poecilonota* Cab.

*Hypocnemis poecilonota* Cab., *Wieg. Arch.* 1847, pt. 1 (1847) p. 213, Pl. IV. f. 2 (typ. ex. Brit. Guiana—Mus. Berol.).

Munduapo : ♂ ad. 14, 25. ii., ♀ ♀ 16, 25. ii. '99.

Nericagua : ♂ ♂ 3, 4, 6. iv., ... juv. 6. iv., ♀ 24. iii. '99.

"Iris seal ; bill black ; feet cinereous."

(Nos. 11952, 11971, 12114, 12115, 12238, 12380, 12408, 12459, 12451 Cherrie coll.)

Suapure : ♂ ad. 4, 15. iv., 29. x. '99 ; ♀ 11. iv. 1900 (Klages).

La Pricion : ♂ ♂ ad. 3. ii. 1901 ; ♀ 13. xii. 1900 ; (André).

Nicare : ♂ 19. i. 1901 ; ♀ ♀ 18. i., 17. xii. 1900 (E. André).

263. *Hypocnemis leucophrys* (Tsch.).

*Pithys leucophrys* Tsch., *Consp. Av. in Wieg. Arch.* 1844 p. 18 (typ. ex Peru : Vitoc, R. Tullumayo, cf. *F. P. Aves*, p. 177).

Nericagua : ♂ ♀ ad. 6. iv. '99.

Munduapo : ♂ ♂ ad. 3, 7, 11, 13, 16, 21. ii., 2 iii., ♀ ♀ 9, 11, 13, 18, ii. '99.

Capnano, R. Orinoco : ♂ 5. ii. '99.

"Iris vandyke-brown ; feet plumbeous grey ; bill black."

(Nos. 11832, 11853, 11854, 11883, 11920, 11921, 11929, 11930, 11972, 12001, 12037, 12163, 12170, 12448, 12449 Cherrie coll.)

Suapure : ♂ 23. viii. '99 (Klages).

La Union : ♂ 17. xii., ♀ 30. xii. 1900.

La Pricion : ♂ ♂ ♀ ♀ 2, 8. ii. 1901 (E. André).

264. *Hypocnemis myiotherina* (Spix).

*Thamnophilus myiotherinus* Spix, *Av. Bras.* II. (1825) p. 30 Pl. XLII. fig. 1. (The description of the ♂ only refers to our present species ; the supposed female is a different bird. No exact locality given. We substitute Fonteboa, Amazon.)

La Pricion : 3 ♀ ♀ 1. ii. 1901 (E. André).

Nicare : ♀ ♀ 19, 28. i. 1901 (E. André). "Iris brown-red, upper mandible black, lower grey ; feet bluish grey."

The abdomina of these females are rather bright fulvous, though not quite so deep as in *H. myiotherina elegans* from Bogotá. Unfortunately Mr. André sent no males.

265. *Hypocnemis melanopogon* ScL.

*Hypocnemis melanopogon* ScL., *P.Z.S.* 1857 p. 130 (typ. ex Chamicuro).

Maipures : ♂ ad. 6. xii. '98.

Altagracia : "In a dark strip of wood near river." ♂ ♂ ad. 15, 17. i., 4, 5. ii. (bis), ♂ juv. 4. ii., ♀ ♀ 4. ii. '98.

Quirilana de Caicara : ♂ ♂ ad. 31. iii., 8, 16. iv., ♀ ♀ 5, 11. iv., ♂ juv. 11. iv. '98.

Perico : "♂" ad. 21. xi. '98.

Munduapo ; ♂ 24. ii. '99.

"Iris plumbeous grey ; feet plumbeous ; bill black."

(Nos. 9735, 9995, 9996, 9997, 9998, 10578, 10617, 10663, 10689, 11308, 12094 Cherrie coll.)

One *male* from Mundnapo (no. 12094) has the abdomen uniform cinereous; the others show more or less greyish-white on the middle of the belly.

Suapure: ♂♂ ad. 19. iii., 18, 28. iv., ♂ juv. 26. iv., ♀ 29. iii. '99 (Klages).

La Union: ♂ ♀ 17, 20. xii. 1900 (André).

Nicare: ♀ 19. i. 1901 (André).

### 266. *Hypocnemis naevia* (Gm.).

*Pipra naevia* Gmelin, *Syst. Nat.* I. 2 (1788) p. 1003 (ex *Pl. Enl.* no. 823 fig. 2—Cayenne).

La Pricion: ♂♂, ♀♀, ♂ juv. 1, 3, 4, 5. ii. 1901. "Iris blackish; bill black; feet light grey."

### 267. *Pithys albifrons* (L.).

*Pipra albifrons* Linn., *Syst. Nat.* Ed. XII. I., 1 (1766) p. 339 (ex Edwards—Guiana\*).

Nericagua: ♀ 7. iv. '99.

Mundnapo: ♂ ♀ 25. ii. '99.

Suapure: ♂♂ ♀ 8, 12, 17, 18. ii. '99 (Klages).

Nicare; 16 ♂♂ ♀♀ juv. Jan. 1901 (E. André).

"Iris seal; feet orange; bill black."

(Nos. 12119, 12120, 12464 Cherrie coll.)

### 268. *Gymnopithys rufigula* (Bodd.).

*Turdus rufigula* Bodd., *Tabl. Pl. Enl.* (1783) p. 39 (ex *Pl. Enl.* 644 f. 2 (♀)—typ. ex Cayenne).

Mundnapo: ♂ ad. 5. ii., ♂ ♀ 25. ii., ♀ 10. ii. '99.

Nericagua: ♂ ♀ 1, 7. iv. '99.

Suapure: ♂♂ ♀♀ March, April, December (Klages).

Nicare: 14 ♂♂ ♀♀ Jan. 1901 (André).

La Pricion: ♀ 4. xii. 1900 (André).

"Iris seal, chestnut brown; feet pale flesh-colour; bill blackish, discal three-fourths mandible pale greyish (above black, below grey with basal one-half blackish); bare skin about eye pearl-grey; claws pale horn-colour."

(Nos. 11900, 12121, 12122, 12123, 12359, 12461 Cherrie coll.)

### 269. *Ramphocaenus melanurus* Vieill.

*Ramphocaenus melanurus* Vieill., *Nouv. Dict.* XXIX. (1819) p. 6 (Brésil,† coll. Delalande fils)

Mundnapo: ♂ ♀ 10. ii. '99.

Nericagua: "♂" 12. iv. '99.

"Iris isabella colour; feet plumbeous; bill above dusky brown, below pale horn-colour."

(Nos. 11891, 11892, 12489 Cherrie coll.)

Suapure: ♂ 9. xii. '99; ♀♀ 4. iv. 1900; 9. xi. '99 (Klages).

La Pricion: ♂♂ 18. ii. 1901 (André).

\* We substitute Cayenne.

† We substitute Rio de Janeiro.

270. *Formicarius nigrifrons* Gould.

*Formicarius nigrifrons* Gould, *Ann. & Mag. Nat. Hist.* ser. 2, vol. XV. (1855) p. 344 (Chamicuroos, E. Peru).

Nericagna : ♂ 4. iv., ♂ (juv.) 29. iii. '99. "Iris seal, feet dark drab-grey, bill black."

(Nos. 12308, 12401 Cherrie coll.)

Snapure, Caura R. : "♀" 5. iv. 1900. "Iris dark brown; feet dark brownish grey; bill black" (S. M. Klages).

La Pricion and Nicare, Caura River (E. André coll.).

271. *Corythopsis anthoides* (Puch.).

*Muscicapa anthoides* Pucheran (ex Cavier), *Arch. du Mus. Par.* VII. (1855) p. 334 (Cayenne).

Nericagna : ♂ 4. iv. '99. "Iris wood-brown; tarsi pale grey; toes plumbeous; bill above black, below flesh-colour."

(No. 12407 Cherrie coll.)

Nicare, Caura R. : ♂ 19. i. 1901. "Irides brownish grey, upper mandible black, lower brownish grey; feet light slate-colour" (E. André).

La Pricion : 15. xii. 1900 (E. André).

272. *Glaucis hirsuta* (Gm.).

*Trochilus hirsutus* Gmelin, *Syst. Nat.* I. 1 (1788) p. 490 (Brasilia—ex Marcgrave, Brasil. or.—we accept Bahia as the typical habitat).

Munduapo : ♂ jun. 2. iii. '99.

(No. 12165 Cherrie coll.)

Temblador in the Caura Valley : ♀ 29. ix. 1900 (Klages).

La Pricion, Caura : ♀ 18. ii. 1901 (E. André).

273. *Phaëthornis superciliosus* (L.).

*Trochilus superciliosus* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 189 (ex Briss.—typ. ex Cayenne).

Nericagna : ♂♂ 24, 27, 28, 30, 31 (bis) iii., ♀♀ 24, 27 (bis), 28, 30 (bis), 31. iii. '99.

Munduapo : ♂♂ 16, 20, 21 (eight) ii. '99.

"Eye seal (blackish); bill above black, below orange with blackish tip; feet dusky flesh-coloured (fleshy white)" ("three-fourths of mandible orange").

(Nos. 11980, 12022, 12034, 12035, 12039, 12040, 12042, 12043, 12044, 12045, 12241, 12242, 12263, 12266, 12267, 12278, 12280, 12316, 12318, 12320, 12344, 12345, 12346 Cherrie coll.)

Long. culm. : ♂♂ 37, 36½, 36 (bis), 35½, 35, 34½ (bis), 34 (bis), 33¾, 36, 34, 34½, 35, 33¾, 33¾, 34 mm. : ♀♀ 34¾, 34½ (bis), 34, 33½, 34, 34 mm.

Snapure : ♂♂ 13, 24. iv. 1900; ♀♀ 24. iv., 8. viii., 22. xii. '99 (Klages).

La Pricion : ♂♀ February, December (André).

The birds from Nericagna and Munduapo, while agreeing closely in coloration with specimens collected in Brit. Guiana by the late Mr. Whitely (*Ph. guianensis* Bonc.), nevertheless differ from them in having invariably shorter bills. In fact, they come nearest to Cayenne specimens—viz., true *Ph. superciliosus* (L.) (= *Ph. fraterculus* Gld.), but the pale throat stripe is always well marked as in Guiana



specimens. The under tail-coverts in the Orinoco birds are whitish with cinereous markings as in *Ph. guianensis*, not uniform fulvescent as in *Ph. moorei*.

The present form is probably an unnamed subspecies, but we refrain from naming it, until we are able to compare a fresh series of skins from Cayenne, with which they might be identical after all.

#### 274. *Phaëthornis hispidus* (Gould).

*Trochilus* (—?) *hispidus* Gould, *P.Z.S.* 1846 p. 90 (typ. ex "Peru?").

Nericagua : ♂♂ 25, 27. (bis) iii., 12. iv. (bis), 15, 25, 27, 30. iii., ♀♀ 25, 30. iii., 5. iv. '99.

Mundnapo : ♂ ad. 24. ii., ♂ juv. 15. ii. '99.

"Iris seal; bill above black, below dusky chrome yellow; tip only blackish (with dusky tip); feet dusky grey (dark dusky grey)."

(Nos. 11962, 12099, 12257, 12258, 12259, 12260, 12261, 12262, 12321, 12322, 12323, 12324, 12432, 12490 Cherrie coll.)

La Prición : ♂♂ February, December, ♀ February (André).

La Union : ♂ December (André).

Having compared the Nericagua and Caura River specimens with a large series of examples from Bogotá collections (*Ph. villosus* Lawr.), from Eastern Ecuador and Upper Amazons (*Ph. oseryi* Bourc. & Muls.), and two birds from San Mateo, Bolivia, in Mus. H. v. B. collected by Mr. G. Garlepp (the latter being apparently typical *Ph. hispidus*), we have come to the result that they all belong to the same form, and that there are no local races of this species.

The fulvescent margins to the feathers of the uropygium seem to be characteristic of young or freshly moulted birds. They are found in a Bolivia specimen as well as in Bogotá skins, while others from Bogotá show pure greyish white tips to the rump-feathers.

#### 275. *Phaëthornis augusti* (Bourc.).

*Trochilus Augusti* Bourcier, *Ann. Soc. Agric. Lyon* X. (1847) p. 623 (typus ex Caracas, coll. Sallé).

Caicara : ♂♀ ad. 30. iii., 12. vi. '98.

(Nos. 10573, 10952 Cherrie coll.)

"♂ Iris blackish; feet dusky grey; bill, maxilla black, mandible orange-vermilion with blackish tip."

"♀ Iris seal; feet and bill as in the adult *male*."

#### 276. *Phaëthornis rupurumii* Bouc.

*Phaëthornis Rupurumii* Boucard, *The Humming Bird* II. (Jan. 1892) p. 1 (typ. ex R. Rupurumi, Brit. Guiana).

Caicara : ♂♂ 25, 27. (bis), 28. (quater) i., (♀?) 5. ii., ♀ 29. vi. '98.

"Iris seal; feet dusky; bill: maxilla black, mandible lemon-yellow, black at tip" (Cherrie).

Altagracia : ♂ 20. i. '98.

Perico : ♀ 27. ix. '98.

Maipures : ♂ 19. xii. '98.

Temblador, Caura Valley : ♀ 29. ix. 1900 (Klages).

La Prición : ♂ February, ♀♀ Jan., Feb. 1901 (André).

(Nos. 9751, 10965, 10973, 10974, 10975, 10990, 10991, 10992, 11008, 11236, 11530 (Cherrie coll.))

These specimens agree perfectly with those collected by Mr. Whitely on the Rupurumi river in Brit. Guiana.

### 277. *Phaëthornis ruber* (L.).\*

*Trochilus ruber* Lin., *Syst. Nat.* Ed. X. I. (1758) p. 121 (ex Edwards—ex Surinam).

*Phaëthornis episcopus* Gould, *P. Z. S.* 1857 p. 14 (ex Demerara).

*Phaëthornis caurensis* Sim. & Dalm., *Ornis* XI. (Nov. 1901) p. 208 (Caura).

Nericagua : ♂ 6. iv., ♀ 12. iv. '99.

Munduapo : ♂♂ 9, 10, 16, 18, 21. ii., ♀♀ 3, 27. ii. 99.

“ Iris seal ; feet pinkish buff ; bill clove brown : basal half mandible ochre yellow : claws black.

(Nos. 11820, 11886, 11887, 11890, 11973, 11997, 11998, 12036, 12130, 12443, 12499 Cherrie coll.)

Suapure : ♂♂ 15, 16. xii., 25. iv. '99 ; ♀(?) 16. xii. (Klages coll.).

La Pricion : 10. ii. 1901 (André coll.).

We do not see any difference between these birds and others collected near Camacusa, Brit. Guiana, by the late H. Whitely, which agree with the type of *Ph. episcopus* Gld. They also agree in every respect with the description given by M. Simon and Comte Dalmas of *Ph. caurensis* ; and moreover there are four specimens from the Caura River in the Tring Museum which fully agree with all the others.

### 278. *Campylopterus largipennis* (Bodd.).

*Trochilus largipennis* Bodd., *Tabl. Pl. Enl.* (1783) p. 41 (ex *Pl. Enl.* 672, f. 2. ex Cayenne).

Nericagua : ♂♂ ad. 30. iii. (moulting), 24, 25, 28, 30. iii., 7 (moulting), 11 and 12. iv., ♀ juv. 12. iv., ♀♀ 24, 27, 28. iii., 4. iv. '99.

“ Iris seal ; feet blackish ; bill above black, below dusky blackish.”

(Nos. 12236, 12237, 12257, 12269, 12281, 12282, 12325, 12326, 12406, 12435, 12468, 12491, 12492 Cherrie coll.)

Suapure : ♀ 14. iv. 1900 (S. Klages).

Nicare : ♀ 18. i. 1901 (E. André).

### 279. *Florisuga mellivora* (L.).

*Trochilus mellivorus* Linn., *Syst. Nat.* Ed. X. I. (1758) p. 121 (ex Edw. ex “ Indis,” sc. Surinam fide Edw.—Cab. of Duke of Richmond).

Nericagua : ♂♂ 31. iii., 1, 4, 5, 18. iv., ♂♂ juv. 31. iii., 1, 3. iv., ♀♀ 3. iv. '99.

Munduapo : ♂♂ 16. ii. '99.

“ Iris seal ; feet dusky, blackish ; bill black.”

(Nos. 11981, 11982, 11983, 11984, 12338, 12339, 12340, 12364, 12366, 12386, 12387, 12404, 12436, 12518, 12588 Cherrie coll.)

Suapure : ♂ 6. i., 11. iv., ♀ 13. iv. 1900 (Klages).

Mountains west of Suapure : ♂ 9. v. 1900 (Klages).

La Pricion : ♂♂ ad. 9. ii., ♂ juv. 9. ii. 1901 (E. André).

\* Hartert (*Tierreich* 9. Lief., Trochilidae, p. 228) has already shown that Edwards' “ Little Brown Humming Bird ” represents a small *Phaëthornis*, and that the quotation of Linnaeus' *T. ruber* as a probable synonym of a *Selasphorus* in *Cat. B.* XVI. is quite erroneous. We are now convinced that the name can reasonably only be referred to the species now known as *Phaëth. episcopus*.

280. *Agyrtria albiventris* (Less.).

*Ornismya albiventris* Less., *Hist. Nat. Ois.-Mouches* (1829) pp. xxxiv. 209, Pl. LXXVI. (*hab.* "la Guiana" sc. Cayenne).

Atlagracia : ♂♂ 6, 11 (bis), 13, 16, 19, 22. xi., 8, 11, 12, 17. xii. '97, 6, 7, 8, 12, 20. i. '98, ♀♀ 3, 18, 25, 26, 29. xi., 16, 20. xii. '97, 6, 7. i. '98.

Caicara : ♂♂ 15, 25. ii., 1. vii., ♀ 8. i. '98, ♀♀ 15. ii., 5. vii., 8. viii. '98.

Río Catañapa : ♀ 26. xi. '98 (Cherrie).

Maipnres ; ♂♂ 28 (bis) i., 6, 11, 17, 20. xii. '98, 28, 30. i. '99, ♀ 29. xii. '98.

"Iris dusky ; bill dusky reddish, blackish at tip (reddish, extreme tip blackish, black, reddish at base of mandible) ; feet blackish (dusky)."

(Nos. 8485, 8500, 8501, 8578, 8580, 8622, 8623, 8664, 8720, 8745, 8778, 8854, 8879, 8926, 9012, 9100, 9166, 9254, 9268, 9305, 9306, 9555, 9556, 9576, 9577, 9591, 9661, 9750, 10056, 10086, 10946, 10966, 11030, 11059, 11060, 11088, 11142, 11348, 11362, 11423, 11503, 11550, 11559, 11776, 11777, 11778, 11801 (Cherrie coll.)

Ciudad Bolívar : ♂ 27. vii., ♂ 30. v., ♀♀ 23. vii., 18. viii. '98 (Klages).

Snapnre : ♂ 16. v., ♀ 17. v. '99 (Klages).

M. Simon and Comte de Dalmas (*Ornis* 1901 p. 210) have accepted the term *maculata* Vieill. for this species ; but as there is already a *Trochilus maculatus* of Gmelin, Count Berlepsch considers this name as preoccupied. We now admit that *Ornismya viridissima* of Lesson\* is quite uncertain, and Berlepsch proposes to call our species *Agyrtria albiventris* (Less.), the habitat of Lesson's bird having been given as Guiana, while Hartert, who does not accept the rule "once a synonym always a synonym," would accept Vieillot's name *maculata*.

A nest with two fresh eggs was taken at Caicara, 7 July, 1898. It was twenty feet from the ground at the tip of a large limb of a big tree in the open savannah. The parent bird was much excited. It was shot (no. 11060) for identification. The nest is a very neat, tiny structure of silky vegetable wool, outwardly ornamented with pale-greenish lichen. Egg 13.5 by 8.6 mm.

281. *Agyrtria milleri* (Bonrc.).

*Trochilus milleri* Bourc., *P. Z. S.* 1847 p. 43 (typ. ex Río Negro, Brésil).

Cariben : ♂ 11. ix. '98.

Caicara : ♂♂ ad. 8, 24, 25, 29. vi., 2. vii., ♀♀ 28, 29, 30. vi. '98.

Nericagna : ♂ ad. 1. iv., "♀" 6. iv., ♀♀ juv. 1, 6, 7, 12, 22. iv. '98.

Mundnapo : "♀" 18. ii., 16. ii. '99 (sex ?).

"Iris seal-brown ; feet blackish ; bill black ; flesh white, basal two-thirds mandible."

(Nos. 10948, 10958, 10962, 10963, 10999, 11009, 11010, 11011, 11026, 11036, 11037, 11158, 11979, 12013, 12372, 12373, 12439, 12441, 12474, 12475, 12501, 12523 Cherrie coll.)

Snapnre : ♂♀ 20 v., 4. iv. '99 (Klages).

Mountains west of Snapnre : ♀ 8. v. 1900 (Klages).

\* It seems that Lesson, while describing and figuring his *Ornismya viridissima*, had not the intention to make known a new bird, but to reproduce the *Trochilus viridissimus* of Vieillot, which is the same as *Psilomyzter theresiae* (Silva). His description and figure leave some doubts, and the habitat is given as "Brésil."

282. *Agyrtria chionopectus whitelyi* (Bone.).

[*Thaumantias chionopectus* Gould, *Monogr. Troch.* V. Pl. CCXCIII. (Sept. 1859) (typ. Trinidad, Tucker\*.)]

*Uranomitra whitelyi* Boucard, *The Humming Bird*, III. 1 (March 1893) p. 8 (typ. ex Brit. Guiana, H. Whitely coll.).

Snapnre, Caura R. : 8 ♂♂ May and Dec. '99, Jan. 1900, 3 ♀♀ Dec. '99, Jan. 1900 (Klages).

" Iris dark brown : feet and bill black " (S. M. Klages).

La Pricion, Canra R. : 2 ♂♂ Dec. 1900, Jan. 1901 (E. André).

The Caura River specimens belong to the smaller form. The larger one, which must be considered typical *chionopectus*, differs in generally slightly larger dimensions, the bill being perceptibly longer and slightly more curved. There is also more often a deep coppery gloss on tail and rump in the Trinidad birds, while those from Guiana are more greenish, but some specimens are quite similar in coloration.

Bill 17 $\frac{3}{4}$ , 18, 19, 19 $\frac{3}{4}$ , 20 mm. in Trinidad skins (Dr. Percy Rendall coll.).

Bill 15 $\frac{1}{2}$ , 16, 16, 16 $\frac{1}{2}$ , 16 $\frac{3}{4}$ , 17, 17 $\frac{1}{2}$  mm. in Canra River specimens.

(Hartert has examined several cotypes of Boucard.)

283. *Saucerottea cupreicauda* (Salv. & Godm.).

*Amazilia cupreicauda* Salv. & Godm., *Ibis* 1884 p. 452 (Roraima Mt., British Guiana).

Mountains west of Suapure : ♂ ♀ 5, 9. v. 1900. " Iris dark grey ; feet black ; bill maxilla and tip of mandible black, rest flesh-colour " (Klages). Both specimens are somewhat worn and bleached.

284. *Saucerottea erythronotos* † *caurensis* subsp. nov.

[*Ornismya erythronotos* Less., *Hist. Nat. Ois.-Mouches* (1829) pp. xxxii. 180, Pl. LXI. (*Hab.* Brésil —errore). †]

*S. S. erythronotos* dietae simillima, differt uropygio infimo supracandalibusque obscure violaceis griseo marginatis (nec enpreo-aeneis), tectricibus subcaudalibus obscure grisescente aeneis, albido marginatis (nec bronzino-cupreis vel rufescentibus), necnon corpore subtus paulo clariore viridi. Al. 52, 51 $\frac{1}{2}$ , 50, caud. 29—27, culm. 18—16 $\frac{3}{4}$ , caud. furca 3 $\frac{1}{4}$ —2 mm.

*Hab.* In regione orientali finiminis Orinoco dieti medii (Suapure ad fl. Caura dictum, Ciudad Bolivar).

*Typus* in Mus. Tring ♂ Suapure 10 v. 1900.

This form is very closely allied to the typical *erythronotos* § by the upper tail-coverts and feathers of the lower rump being of a dark bronze violet with greyish edges, instead of being of a more or less bright coppery bronze-colour. The under tail-coverts are dull bluish black with greyish edges in the *male*, dark brownish grey

\* Gould says it is a native of "Trinidad and Guiana," and that he received specimens from Trinidad from Mr. Tucker of that island. Among the skins from the Gould collection in the British Museum are only the Trinidad specimens, and they are given in the catalogue as the types. Moreover Gould's plate represents a very large form with a very rich coppery rump and tail.

† Dalmas and Simon consider that the name *Trochilus tobaci* Gmelin, which Hartert accepted (*Tierreich*, Trochilidae, p. 55), is somewhat uncertain. Berlepsch is inclined to agree with them, and in that case the oldest name to be used for this group is *erythronotos*, while *wellsii* would be the name to be used for the Tobago Island form.

‡ We substitute Trinidad.

§ This must be restricted to Trinidad (and the Orinoco delta ?), as from Cumana the Tring Museum has received (from Mr. André) a large series of *feliciae*.

with whitish edges in the *females*. In typical *erythronotos* the under tail-coverst are glossy bronze-brown and rufescent, though there is one skin of the same preparation as the supposed Trinidad skins in the Tring Museum which has them of the same colour as in the *females* from Suapure and Ciudad Bolivar. The underside of *caurensis* is of a clearer and somewhat brighter and more golden-green. Perhaps also the tail-feathers are a shade darker and the bills as a rule slightly shorter, but our series is too small to confirm these characters.

Suapure, Caura R. : ♂ 10. v. 1900. " Iris dark grey ; bill, maxilla and tip of mandible black, rest flesh-colour ; feet black " (S. M. Klages).

Mountains west of Suapure : ♀ 9. v. 1900 (S. M. Klages).

Ciudad Bolivar : ♀ 11. vi. '98 (S. M. Klages).

### 285. *Hylocharis sapphirina* (Gm.).

*Trochilus sapphirinus* Gm., *Syst. Nat.* 1 (1788) p. 496 (ex Buff.—loc. ign.\*).

Nericagna : ♂♂ ad. 31. iii., 1, 3, 4, 18. iv., ♂♂ semi-ad. 4, 6. iv., ♂♂ juv. 7. iv., ♀♀ ad. 5, 7, 12, 22. iv., ♀ juv. 3. iv. '99.

" Iris seal ; feet blackish slate ; bill, tip black, basal three-fourths purplish flesh-colour."

(Nos. 12348, 12375, 12394, 12395, 12411, 12412, 12413, 12428 12429, 12442, 12469, 12470, 12471, 12498, 12520, 12525 Cherrie coll.)

Suapure : ♀ juv. 16. iii. '99 (Klages).

### 286. *Hylocharis cyanus viridiventris* Berl.

[*Trochilus cyanus* Vieill., *Nouv. Dict.* XXIII. (1818) p. 426 (typ. ex Brésil—Delalande—coll. Baron Laugier).]

*Hylocharis cyanea viridiventris* Berl., *Ibis* 1880 p. 113 (Brit. Guiana).

Nericagna : ♀♀ 6, 8, 12. iv. '99.

(Nos. 12440, 12481, 12500 Cherrie coll.)

Suapure : ♂♂ ad. 2, 11, 12. i. 1900 ; 15. v., 29. xii., ♀♀ 15, 17. v. '99 (Klages).

La Pricion : ♂♂ 16, 17. ii. 1901 (André).

### 287. *Chlorestes coeruleus* (Vieill.).

*Trochilus coeruleus* Vieill., *Nouv. Dict.* VII. (1817) p. 361 (typ. ex Cayenne).

Altagracia : " ♂♂ " (ad.) 6 (bis), 7 (bis), 17. i., ♂♂ juv. 30. xi. '97, 6 (ter), 7 (bis) 11 (bis), ♀♀ 4, 11, 12. i. '98.

Perico : " ♂ " juv. 22. xi. '98.

Maipures : ♂♂ ad. 6, 7 (bis), 8, 12, 21 (ter), 28. xii. '98, " ♂ " juv. 30. i., ♀♀ ad. 7, 9. i. '99.

Nericagna : ♂ 12. iv., ♂ juv. 1. v., ♀♀ 7. iv., 25, 27. iii. '99.

Munduapo : ♂♂ ad. 13, 18. ii. '99.

" Iris dark seal ; feet dusky ; bill black, basal four-fifths mandible pale flesh."

(Nos. 8947, 9536, 9557, 9559, 9560, 9561, 9579, 9580, 9581, 9582, 9600, 9637, 9638, 9639, 9640, 11315, 11363, 11364, 11382, 11383, 11393, 11432, 11560, 11561, 11562, 11626, 11692, 11705, 11771, 11805, 11807, 11942, 12014, 12270, 12371, 12473, 12494 Cherrie coll.)

Suapure : January, May (Klages).

La Pricion : January, February, December (André).

\* We substitute Cayenne.

288. *Chlorostilbon caribaeus nanus* subsp. nov.

[*Chlorostilbon caribaeus*, Lawr., *Ann. Lyc. N. H. New York*, X. (1871) p. 13 (typ. ex Curaçao).

*Chl. Chl. caribaeus* dicto similimus differt rostro pro usu brevioris, cauda paulo minus furcata et pectore magis coeruleo tincto.

♂♂: Long. al. 45½—44, caud. 26—23½, culm. 15, 14¼, 13¾, 13½, 13¼, caud. furca 5½—4 mm. ♀♀: Long. al. 44, caud. 24, culm. 14¼, caud. furca 2½ mm.

*Hab.* In regione media fluminis Orinoco, Caicara, Altigracia, etc.

*Typus*: In Mus. Rothschild, Tring (no. 10157), Caicara, 19. ii. '98.

Altigracia: ♂♂ ad. 4, 11, 22, 23, 24. xi., 2, 9, 11, 13, 20, 27, 29. xii. '97, 7, 8, 11, i. '98; ♀♀ 16. xi., 22. xii. '97; ♂ jnv. 21. i. '98.

Puerto Samoro: ♂ 24. xi. '98.

Perico: ♀ ad. 21. xi. '98.

Caicara: ♀♀ ad. 8. i., 14, 19, 25. ii., ♂ jnv. 18. ii., ♀ 16. ii. '98.

Quiribana de Caicara: ♀ 16. iv. '98.

"Iris dusky; feet black; bill black."

(Nos. 8468, 8582, 8662, 8774, 8811, 8836, 8989, 9113, 9165, 9186, 9307, 9359, 9412, 9443, 9578, 9593, 9636, 9765, 10053, 10116, 10148, 10157, 10269, 10755, 10945, 11309, 11332 Cherrie coll.)

Ciudad Bolivar: ♂♂ ad. 30. vii. (bis), 2. xii. '98 (Klages).

The birds collected by Mr. Cherrie on the middle Orinoco differ from the typical form from the island of Curaçao by having as a rule a much shorter bill, also a slightly less deeply forked tail, and by the breast being tinged more or less with bluish green, which is generally not the case in Curaçao birds. The latter character is also shown in specimens from the coast region of Venezuela, which nevertheless agree with the Curaçao specimens in the length of the bill and in the deep furcation of the tail.

The birds from the north coast of Venezuela have been lately separated by M. Simon and Comte Dalmas as *Chlorostilbon caribbeus lessoni* [*Ornis* XI. (1901) p. 212, *partim*]. Hartert, however, having compared a large series from Cumana, two *males* shot on Trinidad by Dr. Rendall, and a fair series from Curaçao, Aruba and Bonaire, finds that none of the differences given by the authors holds good, unless it be the more bluish tinge on the breast. This latter is, nevertheless, sometimes visible in the Curaçao specimens, and therefore Hartert doubts the possibility of separating the continental coast form called *lessoni* even as a subspecies, while *nanus* is without difficulty separable if a small series is examined.

289. *Thalurania tschudii* Gould.

*Thalurania tschudii* Gould, *P.Z.S.* 1860 p. 312. ("The neighbourhood of the River Ucayali, and the countries of Ecuador and Peru.")

Nericagna: ♂ ad. 13. iv., ♂♂ jun. 30, 31. iii., 3 (bis), 5, 6, 22. iv., ♀♀ 7. ii., 31. iii., 3, 4 (bis), 12. iv. '99.

Munduapo: ♀♀ 24, 25. ii. '99.

(Nos. 11849, 11989, 12097, 12104, 12315, 12349, 12350, 12390, 12391, 12392, 12393, 12415, 12416, 12417, 12437, 12446, 12503, 12515, 12533 Cherrie coll.)

These birds agree very well with *Thal. tschudii* from N.E. Peru which hitherto had been considered peculiar to that region.



290. *Thalurania furcata fissilis* subsp. nov.

[*Trochilus furcatus* Gm., *Syst. Nat.* I, 1 (1788) p. 486 (ex Brisson *Cayenne*; excl. syn. Sloane et Marcgrave apud Brisson et excl. habit. Jamaïque et Brésil!).]

*Th. Th. furcata* dictae simillima, differt subcaudalibus atrochalybeis unicoloribus.  
*Hab.* In regione fluminis Caura dicti.

Supure, Caura R.: ♂♂ ad. 6, 16. i., 8. v., 13, 15. xii., 29. iv. '99 (Klages).

La Pricion, Caura R.: ♂♂ ad. xii. 1900, ii.; ♀ 31, i. 1901 (E. André).

The Caura River *males* differ from typical *Thal. furcata* from Cayenne in having the under tail-coverts uniform deep steel-blue without white edges. In this respect they agree with specimens from British Guiana (Whitely coll., Merume, Carimang), but the bills are mostly longer than in the latter.

Messrs. Simon and Dalmas [*Ornis* XI. (1901) p. 214] quote *Thalurania refulgens* from the Mountains of Cumana and Caura. We can hardly think that the true *refulgens* occurs on the Caura River. *Th. refulgens* differs, besides its size and very long tail, by the blue area of the back being divided by black in the middle. From Cumana the Tring Museum has received a large series of *Th. refulgens* (or *Th. furcata refulgens* as Hartert calls it) agreeing with Trinidad specimens.

291. *Colibri delphinae* (Less.).

*Ornismya delphinae* Less., *Rev. Zool.* II. (1839) p. 44 (typ. in coll. Longuem., loc. ignot. We substitute Santa Fé de Bogotá, Colombia).

Parima Mountains: ♀ ad. 9. v. 1900 (Klages).

"Iris dark grey; feet and bill black."

292. *Lampornis nigricollis* (Vieill.).

*Trochilus nigricollis* Vieill., *Nouv. Dict.* VII. (1817) p. 349 (typ. ex "Brésil").

Maipures: ♂♂ ad. 6, 7 (ter), 21, 28. xii. '98, 24. i. '99; ♀♀ 7, 9, 10, 21. xii. '98, 28, 30. i. '99.

Munduapo: ♀ 16. ii. '99.

Caribena: ♂ ad. 11. ix. '98.

"Iris seal; feet black; bill black."

(Nos. 11157, 11365, 11371, 11372, 11373, 11374, 11404, 11417, 11433, 11557, 11558, 11727, 11773, 11774, 11800, 11978 Cherrie coll.)

Supure: ♀ 19. v. '99 (Klages).

Temblador: ♀ 29. ix. 1900 (Klages).

La Pricion: ♂♂ ♀ February (E. André).

293. *Chrysolampis mosquitus* (L.).

*Trochilus mosquitus* Lin., *Syst. Nat.* Ed. X. (1758) p. 120 (typ. in Mus. Ad. Frid. ex "Indiis" \*).

Caicara: ♂♂ ad. 15 (quater), 18 (bis) ii., 26. iii. '98, 17. iii. '99, ♂ juv. 15. ii., ♀♀ 15 (quater), 16, 18. (bis) ii., ♀ juv. 16. ii. '98.

Mouth of River Meta: "♂" ad. 14. ix. '98.

"Iris dusky; bill black; feet black."

\* We substitute *Surinam*.

(Nos. 10080, 10088, 10089, 10090, 10091, 10092, 10093, 10094, 10096, 10097, 10098, 10113, 10114, 10115, 10149, 10150, 10152, 10514, 10565, 11163 Cherrie coll.)

Ciudad Bolivar: ♂♂ May, July, ♀ (?) ♀ juv. June, July, November, '98 (Klages).

La Pricion: ♂ ♀ juv. Feb. 1901 (E. André).

#### 294. *Heliothrix aurita* (Gm.).

*Trochilus auritus* Gmelin, *Syst. Nat.* I. (1788) p. 493 (Cayenne, ex Brisson, Buffon & Latham).

Maipures: ♂ juv. 30. i. '99. "Iris seal; feet dusky slate; bill black" (no. 11802 Cherrie coll.).

Temblador (Caura Valley): ♀ ad. 29. ix. 1900 (Klages).

Suapure: ♀ ♀ 21. ix., 22. xii. '99 (Klages).

La Pricion: ♂ ♀ ♀ Dec. 1900, Jan., Feb. 1901 (E. André).

#### 295. *Floricola longirostris* (Audeb. & Vieill.).

*Trochilus longirostris* Audeb. & Vieill., *Ois. Dor.* I. (1802) p. 128 Pl. 59 (ex "Indes Occidentales"—coll. Parkinson in Mus. M. Thompson).\*

*Trochilus superbus* Shaw (& Nodder), *Nat. Misc.* XIII. (1802) Pl. 517 ("Southern parts of America." We supplement *Trinidad*.)

Suapure: ♂♂ 4, 6, 12. i. 1900, 29. xii. '99; ♀♀ 15. i. 1900, 29. xii. '99 (Klages).

La Pricion: ♂♂ ♀ 15. xii. 1900, 2. i. 1901 (E. André).

Maipures: ♀ 12. xii. '98 (no. 11455 Cherrie coll.).

"Iris dark grey; bill and feet black" (Klages).

#### 296. *Calliphlox amethystina* (Gm.).

*Trochilus amethystinus* Gm., *Syst. Nat.* I. (1788) p. 496 (ex Buffon—Cayenne).

Suapure: "♂ juv." (? ♀), ♀ ad. 4, 9. iv. 1900.

"Iris dark grey; bill and feet black" (Klages).

#### 297. *Lophornis ornatus* (Bodd.).

*Trochilus ornatus* Bodd., *Tabl. Pl. Enl.* p. 39 (1783) (ex Daubenton, *Pl. Enl.* 640 f. 3—Cayenne).

Caicara: ♀ juv. 30. vi. '98 (no. 11027 Cherrie coll.).

Suapure: ♂♂ ad. 29. xii. '99, 11. i. 1900; ♀♀ ad. 4. i., 8. v. 1900, ♀ juv. 26. xii. '99 (Klages coll.).

"♂ ad. Iris dark grey; feet dark grey; bill flesh-red, tipped with black" (Klages).

\* We supplement *Trinidad*. The names *longirostris* and *superbus* are published in the same year. The former has been universally adopted, but Harten (*Tierreich* 9. Lief. *Trochil.* p. 192) has introduced the name *superbus*. This was done because the editors of the *Tierreich* considered that the names of Audebert & Vieillot in the *Ois. Dor.* could not be used in our system, as the authors did not always use binomial names, sometimes neglecting to use Latin names altogether. Berlepsch, however, is of opinion that there is no reason to reject their names if they are in binomial form, and it is probably best not to abandon the name *longirostris*. About the actual dates of the *Naturalist's Miscellany*, Sherborn's notes in *Ann. & Mag. Nat. Hist.* ser. 6, xv., p. 376 (1895) should be consulted.

298. *Lophornis verreauxi klagesi* subsp. nov.

[*Trochilus verreauxi* Bourc. & J. & É. Verreaux, *Rev. & Mag. de Zool.* 1853 p. 193 Pl. VI. (typ. ex "Pérou" \*).]

*L. L. verreauxi* dictae simillima sed (in mari adulto) corpore toto obscuriore viridi, rectricibus tectricibusque caudae superioribus obscure bronzino-olivaceis (nec cupreo-aeneis!), plumis ad latera colli elongatis etiam obscurioribus, macula minore alba apicatis distinguenda. ♂♂ ad. al. 44, 45; caud. 32, 28, culm. 13, 12½ mm.

*Hab.* In regione fluminis Cauca : Snapure, La Pricion.

*Typus* : Snapure, ♂ 1. i. 1900, Klages coll., in *Mns. Tring.*

The adult *males* from the Cauca River differ from an old *male* from Yurimaguas and a series of adult *males* from Bogotá collections as follow :

The colour of the whole body is of a darker green ; the rectrices and upper tail-coverts differ strikingly in their dark bronzy olive instead of dark coppery bronze-colour.

The long ornamental feathers on the sides of the throat are of a darker green, and have smaller and less conspicuous white tips.

In the *females* the darker green of the body plumage is not so conspicuous, but the tail is less bronzy, more blackish and greenish, and the pale tips to the rectrices are somewhat darker, more greyish, and generally more restricted in size.

This interesting new form is named in honour of Mr. Samuel M. Klages, who partly with his brother Edw. A. Klages, but mostly alone, collected on the Cauca River and sent us many valuable specimens.

We have the following specimens of *L. verreauxi klagesi* :

Snapure : ♂ ad. 1. i. 1900. " Iris dark grey ; bill and feet black." ♀♀ 20. v. '99, 4, 16. i. 1900 (Klages).

La Pricion : ♂ ad. 8. ii. 1901, 4 ♀♀ 13, 14. xii. 1900 (E. Audré).

299. *Discosura longicauda* (Gm.).

*Trochilus longicaudus* Gml., *Syst. Nat.* I. 1 (1788) p. 498 (ex Buffon "du cabinet de Mons. Mauduit," no locality. We substitute Cayenne.)

Nericagua : ♀ 1. iv. '99 (no. 12374 Cherrie coll.).

" Iris seal ; feet blackish ; bill black."

300. *Stenopsis cayennensis* (Gm.).

*Caprimulgus cayennensis* Gml., *Syst. Nat.* Ed. XIII. 1 (1788) p. 1031 (ex Buff.—Cayenne).

Altigracia : ♂♂ 27. xi., 1 (bis), 7, 11, 28. xii., ♂ juv. like *female* 27. xi., 26. xii., ♀♀ 27. xi., 1, 7 (bis), 11, 28. xii. '97.

" Iris blackish ; feet pale dusky ; bill blackish."

Quiribana de Caicara : ♂♀ ad. 4. iv. '98.

(Nos. 8905, 8906, 8907, 8961, 8962, 8963, 9074, 9075, 9076, 9162, 9163, 9164, 9415, 9416, 9417, 10601, 10602 Cherrie coll.)

♂♂ al. 143, 137, 137, 145, 146, caud. 123, 113, 112 mm.

♀♀ ,, 141, 137, 133, caud. 105, 103, 99 mm.

These specimens exhibit generally smaller dimensions than the skins collected in British Guiana by the late Mr. Whitely. In fact, the *female* specimens collected by Mr. Peters and by Hartert in the island of Curaçao, which are of rather small size, agree in their dimensions perfectly with the *females* collected near

\* We take as the typical locality Upper Amazons, country about Yurimaguas.

Altagracia. Nevertheless some Guiana specimens are equally small, and as there is much individual difference in size, a larger series from different localities is necessary to come to a definite conclusion, whether local races might be distinguishable or not.

### 301. *Nyctidromus albicollis* (Gm.).

*Caprimulgus albicollis* Gml., *Syst. Nat.* I. 1 (1788) p. 1030 (ex Lath.—Cayenne).

Altagracia : ♂♂ 18. xi., 6. xii. '97, 21. i. '98 ; ♀♀ ad. 8, 20. xi. '97.

Caicara : ♂♂ ad. 22, 25. ii., 3, 9, 11. iii., 10. v. ; ♀ ad. 14. ii., ♀ juv. 10. viii. '98.

"Eye dark seal (black) ; feet dusky horn (grey) ; bill black (blackish)."

(Nos. 8519, 8646, 8766, 9059, 9764, 10052, 10206, 10262, 10367, 10430, 10455, 10906, 11102 Cherrie coll.)

Ciudad Bolivar : ♂♂ ♀ May, August, December.

Snapure : ♂ ad. 4. iv. '99 (Klages).

La Union : ♂♀ 17. xii. 1900.

La Pricion : ♂♀ 1. ii. 1901 (André).

Some specimens are grey above, others from the same localities quite rufous.

### 302. *Chordeiles acutipennis* (Bodd.).

*Caprimulgus acutipennis* Bodd., *Tabl. Pl. End.* (1783) p. 46 (ex *Pl. End.* 732, typ. ex "Guiane"—sc. Cayenne).

Altagracia : ♂♂ 20. xi., 7, 13, 28. xii., ♀ 16. xii. '97.

Maipures : ♂♂ 19, 21. xii. ; ♀ 27, 29. xii. '98.

Quiribana de Caicara : ♂ 4. iv. '98.

"Iris blackish ; feet dusky greyish (dusky, smoke grey) ; bill blackish (dusky)."

(Nos. 8764, 9077, 9183, 9244, 9421, 10611, 11571, 11539, 11618, 11644 Cherrie coll.)

### 303. *Nannochordeiles pusillus* (Gould).

*Chordeiles? pusillus* Gould, *P.Z.S.* 1861 p. 182 (*Hab.* "Supposed to be Bahia").

Maipures : ♂ ad. 22. i. '99 ; ♀ ad. 18. xii. '98. "Iris dark seal ; feet dusky ; bill blackish" (nos. 11520, 11714 Cherrie coll.).

### 304. *Nyctiprogne leucopygia* (Spix).

*Caprimulgus leucopygus* Spix, *Ar. Bras.* II. (1823) p. 3 Pl. III. (*hab.* in lit. sylv. fl. Amazon).

Altagracia : ♂♂ 10. xii. '97, 3, 21. i. '98 ; ♀♀ 20, 27. xi., 9 (bis), 13, 14 (bis), 28. xii. '97, 3 ("breeding"), 6 (bis), 11 (bis), 21. i. '98.

Caicara : ♂ 26. iii., ♀ 15. ii. '98.

Maipures : ♂ juv. 26. i. '99.

"Iris black (blackish, dark seal) ; feet dusky slate (pale dusky, dusky blackish) ; bill blackish."

(Nos. 8765, 8904, 9119, 9120, 9142, 9182, 9206, 9420, 9474, 9475, 9546, 9547, 9628, 9629, 9761, 9762, 10076, 10561, 11763 Cherrie coll.)

Mr. Cherrie sent us a large series of fine skins of this rare species, which was not yet recorded from Venezuela.

305. *Claudia squamata* (Cass.).

*Cypselus squamatus* Cass., *Proc. Ac. N. Sc. Philad.* VI. (1853) p. 369 (British Guiana).

Altagracia : ♂♂ 27 (bis) xi., 7. xii. '97 ; 25. i. '98 ; ♀♀ 20, 24. xii. '97, 24 (bis), 25 (quater) i. '98.

“ Iris blackish ; feet dusky ; bill black.”

(Nos. 8881, 8882, 9089, 9296, 9380, 9786, 9787, 9788, 9808, 9809, 9810, 9811, 9812, 10643 Cherrie coll.)

Quiribana de Caicara : 7. iv. '98.

306. *Chaetura spinicauda* (Temm.).

*Cypselus spinicaudus* Temm., *Tabl. Méth. in Pl. Col.* I. (1839) p. 57 (Cayenne).

Snapure : ♂♂ ♀♀ 27. x. 1900. “ Iris dark grey ; feet light reddish grey ; bill black ” (Klages).

307. *Chaetura andrei* sp. nov.

Ch. supra fuliginosa, capite nigrescente ; remigibus fuliginosis, pogoniis externis apicibusque nigris, nitore purpurascenti, uropygio supracaudalibusque cinereo-fumosis, rectricibus pallide fuliginosis, nitore nonnullo, rhachidibus nigris ; loris nigris ; subtus fuliginosa, gutture pallide cinerascente. Rectricum spinis brevibus. Long. tot. ca. 140, al. 114½, 115, 117, caud. 30, 31, 32, tars. 10½, spinis caudae 1, 1½, 2 mm.

*Hab.* Orinoco centr., Cumana.

*Typus* : ♂ Caicara 21. iii. '98 (no. 10534 Cherrie coll.).

This new species comes evidently nearest to *Chaetura cinereicauda* (Cass.), from which it differs in the following points :

The tail is much shorter, measuring only 30 to 32 instead of 43 to 45 mm. The spines also are much shorter, being barely half as long. The crown of the head and the back are deep smoky brown, instead of black with steel-blue gloss. The entire breast and abdomen are much deeper smoky brown, while the throat is somewhat lighter, thus producing a deep contrast between those parts, while in *C. cinereicauda* the under-surface is nearly uniform.

More than two years ago the Tring Museum received from Mr. E. André, of Trinidad, a skin marked “ ♀,” which had been taken at San Felix, Cumana, Venezuela, by Mr. Caracciolo, and therefore we name this species in honour of Mr. André.

Mr. Cherrie sent the following specimens :

Altagracia : ♀♀ 2, 3. ii. '98.

Caicara : ♂♀ ad. 19, 21. iii. '98.

“ Iris seal ; bill black ; feet blackish.”

(Nos. 9950, 9973, 10529, 10534 Cherrie coll.)

308. *Chloronerpes flavigula* (Bodd.).

*Picus flavigula* Bodd., *Tabl. Pl. Enl.* (1783) p. 49 (ex *Pl. Enl.* 784—ex Cayenne).

Nericagna : ♂ 24. iii. '99.

Munduapo : ♂♂ 10. ii., 12. iii. ; ♀♀ 3, 23. ii. '99.

(Nos. 11819, 11908, 12086, 12201, 12235 Cherrie coll.)

"Iris seal; feet chromium green; bill above slate black, below plumbeous with blackish slate tip."

Snapure: ♂ ♀ ♀ 10. xii., 27. ii., 26. iii. '99 (Klages).

La Pricion: ♂ ♀ 17. ii. 1901 (André).

La Union: ♂ 18. xii. 1900 (André).

Nicare: ♂♂ 18, 19. i. 1901 (André).

### 309. *Chrysoptilus punctigula guttatus* (Spix).

[*Picus punctigula* Bodd., *Tabl. Pl. Enl.* (1783) p. 37 (ex *Pl. Enl.* 613—ex Cayenne ♀).]

*Picus guttatus* Spix, *Av. Bras.* I. (1824) p. 61 Pl. LIII. fig. 1 (*hab. in sylv. fl. Amazon*).

Altagracia: ♂♂ 14, 15. i., 14. xii. '98; ♀♀ 15. xi., 7, 14. (bis) xii. '97.

Caicara: ♂♂ 8 (ter) iii., 7. v., 8, 28. (bis) vi., ♀♀ 1. iii., 8 (bis), 28. vi., 5. vii. '98.

"Iris brick-red, vandyke, seal-brown; feet sage-green (olive-brown, dusky brown); bill black (blackish, blackish slate)."

(Nos. 8647, 9078, 9207, 9208, 9209, 9705, 9717, 10324, 10325, 10415, 10416, 10895, 10941, 10942, 10943, 10987, 10988, 10989, 11058 Cherrie coll.)

These specimens belong probably to true *Ch. p. guttatus* (Spix), but the pattern of the throat is more like that of Cayenne examples, while Bogotá ones show a much greater amount of white there. The Orinoco birds agree with those from Bogotá specimens in having the back rather more greenish, less fulvescent than in Cayenne specimens. They differ from those from both these localities in presenting no trace of the blood-red suffusion on the breast always to be seen in adult birds from those places.

### 310. *Melanerpes terricolor*\* (Berl.).

*Centurus terricolor* Berl., *Ibis* 1880 p. 130 ("Orinoco distr. or Trinidad").

Maipures: ♀ ad. 14. xii. '98.

Altagracia: ♂♂ 12, 22, 23. xi. '97, 10, 24. i. '98, 28. xii. '97; ♀♀ 10, 22, 23, 26. xi., 2. xii. '97, 24, 26. i. '98.

Caicara: ♂♂ 22. ii., 18. iii.; ♀ 2. iii. '98.

"Iris mummy brown (dusky brown); feet dusky slate (dusky olive); bill black."

(Nos. 8560, 8601, 8780, 8781, 8806, 8807, 8874, 8984, 9428, 9616, 9798, 9799, 9836, 10207, 10348, 10516, 11466 Cherrie coll.)

Ciudad Bolivar: ♂♂ 28. xi., 17. xii., ♂ juv. 24. vi. '98 (Klages).

Snapure: ♀ 8. iv. '99 (Klages).

### 311. *Melanerpes cruentatus* (Bodd.).

*Picus cruentatus* Bodd., *Tabl. Pl. Enl.* (1783) p. 43 (ex *Pl. Enl.* 694 f. 2—typ. ex Cayenne).

Munduapo: ♂♂ 4, 23. ii. '99 (nos. 11826, 12085 Cherrie coll.).

"Iris lemon yellow; feet plumbeous pea-green; bill slate black; eyelids black; bare skin around eyes straw yellow."

Snapure: ♂ 26. iv.; ♀♀ 7, 24, 26. iv. 1900 (Klages).

\* The *Picus tricolor* Wagler is preoccupied by *Picus tricolor* of Gmelin.



312. *Veniliornis cassini* (Malh.).

*Mesopicus cassini* Malh., *Picidae* II. (1862) p. 55. Pl. LXVIII. figs. 2, 3 (*hab.* "Du Brésil ou de la Nouvelle Grenade." We substitute Cayenne.)

Snare: ♂♂ 29. iii., 7. iv. 1900; ♀♀ 10. iv., 14. ix. '99. "Iris dark red; feet black; bill grey, varying from very dark at base of maxilla to very light at tip of mandible" (Klages).

La Précie: 3. ii. 1901. "Irides brown; feet and toes greenish grey; upper bill black, lower one grey" (E. André).

313. *Veniliornis orenocensis* n. sp.

"*Dendrobates ruficeps* (Spix) an *D. kirtlandi* Malh." *Berl. & Lev. Orn.* 1890 p. 30 (Angostura).

♂. ♂. *haematostigma* dicto affinis sed paulo minor, nucha maris pileo concolore nec aurea, alarum tectricibus superioribus vix vel minus distincte rubro-maculatis, corpore subtus in fundo brunnescentiore, neonon regione ante- et suboculari brunneo nec albescente distinguendus. Al. 95—93, caud. 57—51, culm. 20 $\frac{3}{4}$ , tars. 17 $\frac{1}{2}$ —16 $\frac{1}{2}$  mm.

*Hab.* In regione fluminis Orinoco: Angostura—Munduapo.

*Typus* in Mus. H. v. B.

Nericagua: ♂♂ 29. iii., 1. iv., ♀ 1. iv. '99.

Munduapo: ♂♂ 8, 11, 23. ii. '99.

"Iris vandyke brown; feet olive-plumbeous (olive); bill above black, below slate-grey."

(Nos. 11868, 11916, 12084, 12306, 12353, 12354 Cherrie coll.)

This apparently new species differs from *V. haematostigma* (Malh.),\* especially in the want of the fulvous yellow colour on the neck, also in wanting the whitish line under the eye and the whitish ante-ocular spot, in having the ground colour of the underparts of the body of a rather darker brownish tint, in showing but very small traces of the blood-red spots at the tips of the larger upper wing-coverts (wanting altogether in some specimens) and in presenting smaller dimensions.

It might be the same as *Mesopicus kirtlandi* Malh., but it is impossible to judge from Malherbe's description and figure of that species.

314. *Veniliornis passerinus* (L.).

*Picus passerinus* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 174 ex Briss. ("ex Dominica"—errore †).

*Picus senegalensis* Gm., *Syst. Nat.* I. 1 (1788) p. 430 (ex Buffon—Senegal, errore. We substitute Cayenne).

*Picus tephrodops* Wagl. ‡

*Dendrobates tephrodops* Harg., *Cat.* XVIII. (1890) pp. 339, 352.

Atlagracia: ♂♂ 1. ii. '98, 19. xi. '97, ♀♀ 2, 3. (bis) ii.; ♂ juv. 20. i. '98.

Caicara: ♂♂ 8. vi., 25. ii., 8. iii., ♂♂ juv. (marked "♀♀"), 16. ii., 15, 26. iii.; ♀ 23. ii., ♀ juv. 1. iii. '98.

"Iris dark sepia; feet plumbeous olive; bill black."

(Nos. 8744, 9147, 9748, 9954, 9961, 9962, 9981, 10100, 10218, 10260, 10315, 10417, 10491, 10562, 10944 Cherrie coll.)

\* We have compared specimens from Central Peru in Mus. H. v. B.

† We substitute Cayenne.

‡ The *Picus tephrodops* Wagl. is simply based on *Picus senegalensis* Gml. (ex *Pl. Enl.* 345 f. 2)—in Mus. Paris fide Wagl.—which is clearly the same species as that which we have received through Mr. Cherrie. It is perhaps not quite so certain that *Picus passerinus* Linn. (ex Briss.) means the same species, but there is all probability that this is the case. At all events the term *tephrodops* must give way to an older term, either *senegalensis* (1788) or *passerinus* (1766).

315. *Celeus jumana* (Spix).

*Picus jumana* Spix, *Av. Bras.* I. (1824) p. 57 Pl. XLVII. f. 1 ♂ 2 ♀ (ex sylv. fl. Amazon).

Perico : ♀ 20. xi. '98.

Munduapo : ♂ ♂ ad. 18. ii., 12. iii. ; ♀ ♀ 13, 15, 28. ii. '99.

Maipures : ♂ ad. 22. xii., ♀ 19. xii. '98.

Snapture : ♀ ad. 28. vi. '99 (Klages).

Nicare : 18. i. 1901 (E. André).

"Iris burnt umber ; feet dusky plumbeous olive ; bill, whitish horn-colour, slightly shaded with green or greenish."

(Nos. 11282, 11540, 11580, 11924, 11925, 11957, 11994, 12137, 12188, Cherrie coll.)

316. *Celeus grammicus* (Malh.).

*Picus grammicus* Malh., *Mém. Soc. Roy. Liège* 1845 p. 69 ("Brésil"—ex Natt. Mus. Vindob. Salto do Girao, Madeira).

*Celeus grammicus* Berl. & Lev., *Ornis* 1890 p. 31 (Angostura).

♀. Al. 135, caud. 80, culm. 22 mm. ♂ ♂ ad. 120, caud. 78, culm. 21, tars. 18½ mm.

♀ ,, 123, ,, 77, ,, 22, ,, 18 ,,

Munduapo : ♂ ♀ 20. ii. '99.

Nericagna : ♀ 27. iii., "breeding" ; ♂ ♂ 4, 22. iv. '99.

"Iris bay-brown ; feet dusky greenish grey ; bill, whitish horn-colour shaded with greenish."

(Nos. 12031, 12032, 12274, 12402, 12532 Cherrie coll.)

Compared with specimens from the Upper Amazons these birds differ by having somewhat shorter bills ; the *males* have also shorter wings and tails.

317. *Cerchneipicus torquatus* (Bodd.).

*Picus torquatus* Bodd., *Tabl. Pl. Enl.* (1783) p. 52 (ex *Pl. Enl.* 863, ♀—Cayenne!).

La Pricion on the Cauca River : ♂ ad. 17. ii. 1901. "Irides maroon, upper mandible black, lower grey ; feet and toes grey" (E. André).

Snapture : ♀ 28. v. '99. "Iris dark red-violet ; feet grey ; bill dark grey, mandible greyish white" (Klages).

318. *Crocomorphus flavus* (Müll.).

*Picus flavus* Müll., *Lin. Natursystem Suppl.* (1776) p. 91 (ex *Pl. Enl.* 509, typ. ex Cayenne).

Altagracia : ♂ ♀ 4. xii. '97.

(Aicara : ♂ ♂ ad. 10. iii. (bis), 1. vii. '98.

Maipures : ♂ ♂ ad. 7, 26 (ter) xii., '98.

"Iris carmine ; feet dark pea-green ; bill chrome yellow, shading into sulphur-yellow at base of mandible."

(Nos. 9014, 9015, 10440, 10441, 11031, 11375, 11615, 11616, 11617 Cherrie coll.)

La Pricion : ♀ ♀ 2, 5. ii. 1901 (André).

The variation in the yellow ground colour is remarkable. The specimens shot in December and January are of a rather dark and rich canary yellow, while those from March and July are faded to a pale buff. There is also a great variation in size.

319. *Campephilus rubricollis* (Bodd.).

*Picus rubricollis* Bodd., *Tabl. Pl. Enl.* (1783) p. 37 [ex *Pl. Enl.* 612 (ex Cayenne) ♀].

Munduapo: ♂♂ 15, 27. ii. '99.

"Iris lemon-yellow; feet dark, sage-green; bill, very pale (almost whitish) horn-colour."

(Nos. 11964, 12127 Cherrie coll.)

Suapure: ♂♂ ♀♀ 19. i., 24. iii., 26. vi. '99, 12. iv. 1900 (Klages).

La Pricion on the Cauro River: ♂♀ 9. ii. 1901 (E. André).

320. *Campephilus melanoleucus* (Gm.).

*Picus melanoleucos* Gml., *Syst. Nat.* 1 (1788) p. 462 (ex Lath., typ. ex Surinam) (cf. Pelz., *Ibis* 1873 p. 33).

Perico: ♀♀ 25, 30. ix. '98.

Majpures: ♂ 23. i. '99; ♀ 22. xii. '98.

Quiribana de Caicara: ♀ 7. iv. '98.

"Iris lemon-yellow (straw-yellow); feet smoke-grey (plumbeous); bill white, dusky grey along ridge of enlmen (dusky slate above, whitish below").

(Nos. 10647, 11224, 11239, 11576, 11718 Cherrie coll.)

Suapure: ♀♀ 21. vi., 8. viii., 6. x. '99 (Klages).

La Pricion: ♀ 16. xii. 1900 (André).

321. *Ceophloeus lineatus* (L.).

*Picus lineatus* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 174 (ex Briss.—Cayenne).

Caicara: ♂ 29. vi. '98.

Puerto Samoro: ♀ 24. xi. '98.

Altagracia: ♂♂ 27. xi. '97, 15. i. '98; ♀♀ 17. xii., 27. xi. '97.

Quiribana de Caicara: ♂♂ 14, 25. iv.; ♀ juv. 11. iv. '98.

Perico: ♂ 27. ix., ♀ 24. ix. '98.

"Iris straw yellow; feet plumbeous; bill dusky slate above, whitish below."

(Nos. 8903, 9276, 9413, 9722, 10701, 10734, 10824, 11012, 11217, 11233, 11333 Cherrie coll.)

Ciudad Bolivar: ♀♀ 24, 26. vi. '98 (Klages).

Suapure: ♂♂ 16. ii., 17. iii.; ♀ 24. x. '99 (Klages).

La Pricion: ♂♂ 2, 18. ii. 1901 (André).

The similarity in colour and markings—one is tempted to say mimicry—between *Ceophloeus lineatus* and *Campephilus melanoleucus* is most remarkable.

322. *Picumnus leucogaster* Pelz.

*Picumnus leucogaster* Pelz., *Orn. Bras.* (1869) pp. 241, 335 (Forte do Rio Branco, etc.).

Altagracia: ♂ 27, 31. i.; ♀ 31. i. '98.

Caicara: ♂♂ 25. iii. (bis), 7. v., 23. vi., 2. vii.; ♀♀ 10, 25. iii., 2. vii., 21. x. '98.

"Iris seal-brown; feet light sage green; bill blackish at tip, slate at base."

(Nos. 9912, 10549, 10550, 10896, 10957, 11248 Cherrie coll.)

This used to be a rare species in collections of natural history.

323. *Picumnus undulatus* Harg. (? subsp.).

*Picumnus undulatus* Hargitt, *Ibis* 1889 p. 354 (typ. ex Roraima, Brit. Guiana, Mus. Hargitt).

Nericagua: ♂ 24. iii. '99.

Perico: ♀ 23. ix. '98. "Iris seal; feet plumbeous; bill blackish, plumbeous at base of mandible."

(Nos. 11212, 12232 Cherrie coll.)

Suapure, Caura R. : ♂♂ 25. iv., 22. vi., 15. v. '99 (S. M. Klages).

La Union : ♀ 18. xii. 1900 (André).

Nicare, Caura R. : ♂ ad., ♀ ad., ♀ juv. 18. i. 1901 (E. André).

La Pricion : ♀ 19. ii. 1901 (E. André).

Most of these birds have the feathers of the back and the wing-coverts more distinctly and sharply terminated with yellowish, and more distinctly marked with blackish spots or bands before the yellowish tips than the typical Roraima specimens, and the wings are shorter. These differences, however, are apparently not quite constant, and our present material is perhaps not sufficient to warrant the creation of a new subspecies.

(*P. undulatus* is so closely allied to *P. buffoni* that it is perhaps better treated as a subspecies of the latter.)

#### 324. *Picumnus stellae* sp. n.

*P. fronte nigro, his plumis in mari maculis elongatis flavis in foemina rotundatis albis apicatis, capite superiore reliquo pallide umbrino fusco, his plumis apice macula alba vel fulvo-alba signatis, dorso fulvescenti-olivaceo, maculis obscure fuscis, fasciisque indistinctis fulvescentibus vario, remigibus secundariis extus stramineo-flavo marginatis perpannum virescentibus, corpore subtus flavescenti-albo lineis angustis nigris regulariter transfasciato: rectricibus solito modo coloratis.*

Obs. *P. P. wallacei* Harg. dicto maxime affinis ut videtur, sed corpore subtus omnino lineis nigro-brunneis transfasciato, nec abdomine maculis rotundis signato.

♂♂. Al. 54—52, cand. 26½—26, culm. 11—10¼, tars. 12½—11½ mm.

♀. „ 51 „ 23½ „ 10¾ „ 12½ „

*Hab.* Circum flumen Orinoco dictum medium.

*Typus* in Mus. H. v. B. ♂ Maipures, 6. i. '99 (no. 11677 Cherrie coll.).

Maipures : ♂♂ 6 (bis), 9. i. '99, 6, 8, 9, 28. xii. '98, ♂♂ juv. 6, 9. i. '99; ♀♀ 28. xii. '98, 19, 27. i. '99.

“Iris seal (dark); feet plumbeous; bill black, basal half of mandible slate-grey.”

(Nos. 11366, 11395, 11403, 11634, 11635, 11676, 11677, 11678, 11702, 11703, 11767 Cherrie coll.)

This new *Picumnus* differs from *P. wallacei* Harg., which is perhaps its nearest ally, by the abdomen being banded with narrow cross-lines of black like the chest, instead of being marked with spots of dusky.

It resembles still more *P. punctifrons* Tacz. of Peru, but the ground colour of the hinder part of the pileum is of a pale umber-brown instead of being black, the ear-coverts also pale umber-brown, not blackish; the area of the yellow spots on the forehead is much more extended, the back more fulvous olive-brown, less olive-green, and the black cross-lines on the underparts are much narrower; the abdomen is more whitish, less yellowish, and the bill is shorter.

We have much pleasure in naming this bird after Mrs. Stella M. Cherrie, who accompanied her husband on his dangerous collecting trip to the Orinoco, and aided him very much in collecting specimens of natural history.

#### 325. *Coccyzus americanus* (L.).

*Cuculus americanus* Lin., *Syst. Nat.* Ed. X. (1758) p. 111 (ex Catesby—Carolina).

Altagracia : ♀ 3. xi. '97.

Nericagua : ♂ 13. iv. '99. “Iris seal; feet dusky slate-grey; bill above black,

basal cutting edge from line above nostril and extending half way to tip olive-yellow, mandible deep chrome-yellow, extreme tip blackish; eyelids lemon-yellow." (Nos. 8453, 12505 (Cherrie coll.))

### 326. *Coccyzus melacoryphus* Vieill.

*Coccyzus melacoryphus* Vieill., *Nouv. Dict.* VIII. (1817) p. 271 (ex Azara—Paraguay).

Quiribana de Caicara: ♀ ad. 28. iv. '98. "Iris seal; feet slate-grey; bill black." (No. 10863 Cherrie coll.)

### 327. *Coccyzus pumilus* Strickl.

*Coccyzus pumilus* Strickl., *Contr. Orn.* 1852 p. 28, Pl. LXXXII (Trinidad).

Quiribana de Caicara: ♂ ad. 29. iv. '98.

"Iris carmine; feet slate; bill black; eyelids carmine." (No. 10881 Cherrie coll.)

### 328. *Piaya melanogastra* (Vieill.).

*Cuculus melanogaster* Vieill., *Nouv. Dict.* VIII. (1817) p. 236 (Java, errore!—We substitute Cayenne).

Suapure: "♀♀" 21. ii. '99. "Iris darker red; feet greyish black; bill red, violet near base; naked skin round eyes lighter blue-grey; a patch of light yellowish orange just below the eye" (Klages).

### 329. *Piaya cayana guianensis* (Cab. & Heine).

*Cuculus cayanus* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 170 (ex Briss.—Cayenne).

*Pyrhacoccyx guianensis* Cab. & Heine, *Mus. Hein.* IV. (1862) p. 85 (typ. ex Guiana, sc. Brit. Guiana).

Altagracia: ♂♂ 15. i. '98, 17. xii.; ♀♀ 30. xi. '97, 15. i., 13. ii. '98.

Caicara: ♂♂ 3. iii., 16, 26. ii., ♂♂ 4. 12. iii., 15. 28. ii., 9. vi. '98.

Ciudad Bolivar: ♂♂ 10. xii., 22. vii. '98 (Klages).

Suapure, Caura: ♂♂ 13. iii., 16. v. '99 (Klages).

La Pricion, Caura: ♂♂ 15, 18. xii. 1900, 17. ii. 1901 (E. André).

"Iris dark lake-red; skin about eye carmine; feet plumbeous; bill citron-yellow, more apple-green at base."

(Nos. 8931, 9255, 9714, 9984, 10079, 10099, 10275, 10302, 10372, 10400, 10470, 10949 (Cherrie coll.))

As far as we can see from Cabanis' and Heine's description, the Orinoco birds agree best with those from Brit. Guiana (*guianensis* Cab. & Heine), but this form is perhaps not much different from true *cayana* of Cayenne.

### 330. *Piaya rutila* (Ill.).

*Cuculus rutilus* Illig., *Abh. Berl. Ak. Wiss.* 1812 p. 224 (ex Gm. *C. cayanus* var. β (and γ errore!) ex Brisson: Cayenne).

Caicara: ♂♂ 27. x., 7. vi.; ♀ 21. x. '98.

Altagracia: ♀ 3. i. '98.

Quiribana de Caicara: ♂ 16, 28. iv. '98.

Maipures: ♀ 31. xii. '98.

"Iris vermilion; feet dusky plumbeous olive; bill sulphur-yellow."

(Nos. 9494, 10752, 10918, 10919, 11249, 11266, 11669 (Cherrie coll.))

Suapure: ♀ 25. x. 1900.

Temblador, Caura Valley: ♂ 25. ix. 1900 (Klages).

La Pricion: ♂ 1. ii., ♀♀ 4, 15. ii. 1901 (E. André).

331. *Diplopterus naevius* (L.).

*Cuculus naevius* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 170 (ex Briss.—Cayenne).

Altagracia : ♂♂ 28. xii. '97, 1. ii. '98.

Quiribana de Caicara : ♂ 16. iv. ; ♀ 26. iv. '98.

Maipures : ♀ 31. xii. '98.

Nericagua : ♂ 30. iii. '99.

“ Iris clay-colour ; feet plumbeous ; bill, ridge of culmen clove-brown, cutting edge cinnamon, mandible drab.”

Ciudad Bolivar : ♂♂ 4, 6. viii. '98.

Snajure : ♂ 22. iv., ♀ 13. vii. '99 (Klages).

La Pricion : ♀ 4. ii. 1901 (André).

La Union : ♂ 18. xii. 1900 (André).

(Nos. 9430, 9929, 10751, 10850, 11668, 12313 Cherrie coll.)

332. *Crotophaga ani* (L.).

*Crotophaga ani* Linn., *Syst. Nat.* Ed. X. 1 (1758) p. 105 (ex Maregrave,\* etc.).

Altagracia : ad. 8. i., “ ♀ ” juv. 13. i. '98, 6. xii. '97, ♀ 12. i. '98.

“ Eye dark sepia ; feet black ; bill blackish.”

(Nos. 9058, 9590, 9657, 9684 Cherrie coll.)

Ciudad Bolivar : ♂♂ 1. vii., 30. xi. '98 (Klages).

Snajure : 3 ♂ vi., ♀ 12. v. '99 (Klages).

333. *Crotophaga sulcirostris* Sws.

*Crotophaga sulcirostris* Swains., *Philos. Mag. New & Unit. Ser.* 1. (1827) p. 440 (Tableland of Mexico, Temiscaltepec).

Altagracia : ♂♂ 4. xi., 13. xii. '97, 2. ii. '98 ; ♀♀ 3. ii. '98.

“ Eye seal ; feet black ; bill black.”

(Nos. 8467, 9179, 9180, 9181, 9956, 9979, 9980, 10194 Cherrie coll.)

Pullus : 13. xii. '97.

Caicara : 21. ii. '98.

It is a remarkable fact that this species occurs in company with *C. ani*.

334. *Crotophaga major* Gm.

*Crotophaga major* Gm., *Syst. Nat.* 1 (1788) p. 363 (ex Briss.—Cayenne).

Altagracia : ♀ ad. ♀ juv. 10. xi. '97.

Caicara : ♂♂ 7. vi. ; ♀♀ 15. viii., 7. vi. '98.

“ Iris sulphur-yellow ; feet black ; bill black.”

(Nos. 8561, 8562, 10923, 10924, 10925, 11132 Cherrie coll.)

Snajure : ♂♂ 28. vi., 11. viii., ♂ 28. vi. '99 (Klages).

335. *Capito auratus intermedius* subsp. nov.

[*Bucco auratus* Dumont, *Dict. Sc. Nat.* IV. (1816) p. 52 (typ. ex Pérou, Mus. Paris †).]

*C. ♂* mari *C. auratus* dicti simillimus, differt fronte vividiore, plus minusve aurantiaco tincto, gula quoque magis aurantiaco tincta. ♀ gula tota aurantiaca immaculata.

Nericagua : ♂ 28. iii. '99. “ Iris carmine-red ; feet bluish plumbeous ; bill black, basal half of mandible plumbeous.” (Nos. 12287, 12483 Cherrie coll.)

\* Maregrave describes the birds from Eastern Brazil.

† Cf. Dalmas, *Bull. Soc. Zool. France* 1900 p. 178, note.



Mr. Cherrie sent only one *male* and one *female*. The *male* differs from a good series of ♂♂ *C. auratus* from N.E. Peru, Ecuador, and Bogotá collections in Mus. Brit., Mus. H. v. B., and Mus. Tring by a much brighter forehead, more or less tinged with orange, brighter and more orange throat, and apparently also by the sides of the abdomen being somewhat less boldly marked with black. The wing measures 88, tail about 55 mm. The *female* differs much more from the ♀ of typical *C. auratus*, as its throat is orange without black spots, that of *C. auratus* being largely spotted with black, each feather having a black terminal spot. The distribution of this form is very peculiar, as specimens from S.E. Peru (Marepata, Cuzco, O. Garlepp coll.) and Bolivia in Mus. H. v. B. are the same as our Orinoco birds.

It is evident that *C. auratus* must be the name for the species named *punctatus* in the *Cat. B.* XIX. p. 112. *C. punctatus* Lesson is described without locality, and is to be considered as a synonym of *auratus*; it cannot apply to our new form, as there is no mention of the orange-yellow forehead.

### 336. *Capito auratus aurantiicinctus* (Dalmas).

*Capito aurantiicinctus* Dalmas, *Bull. Soc. Zool. France* 1900 p. 178 ("Dans le bassin de la rivière Caura").

Nicare, Caura R.: ♂ ad. (erroneously marked ♀) 22. i. 1901. "Irides red-brown; both mandibles blackish; feet greenish grey" (E. André).

This specimen agrees perfectly with Comte de Dalmas' description, though the orange area on the abdomen is rather pale. The fact that this ornithologist has fourteen specimens proves that the characters of his *aurantiicinctus* must be constant on the Caura River, but our *intermedius* stands somewhat intermediate by the more orange throat, and we regard therefore *aurantiicinctus* as a subspecies of *auratus*.

### 337. *Ramphastos curvieri inca* (Gould).

[*Ramphastos curvieri* Wagl., *Syst. Av.* (1827) gen. *Ramphastos*, sp. 5 (*Hab.* in Brasilia versus flum. Amazonum—Mus. Monac. "Rostrum nigro").]

*Ramphastos Inca* Gould, *P.Z.S.* 1846, p. 68 (Bolivia: in the elevated and dense forests at Chimoré, in the country of the Yuracares Indians).

Munduapo, Upper Orinoco: ♂ ad. 21. ii. '99. (No. 12052 Cherrie coll.)

This specimen has the bill black (with the exception of the yellow base and culmen) with a large dark blood-red patch near the base of the upper mandible. This red lateral patch is as well marked as in any Bolivian and Peruvian specimens. It is, perhaps, as a rule, more dark red in Peruvian, lighter though less red in Bolivian skins, but this may be due to the state of preservation.

### 338. *Ramphastos haematorhynchus* sp. nov.

*R. R. erythrorhynchus* dicto maxime affinis et tectricibus supra-caudalibus eodem modo coloratis (vid. pure sulphureis, nec ut in *R. curvieri* aurantio-flavis!), sed maxillae mandibulaeque lateribus obscure sanguineis, nec igneis vel aurantio-rubris. Al. 227, 232 (pro usu), 243, cand. ca. 156, culm. 175—195, tars. 55—58 mm.

*Hab.* In regione fluminis Caura dict., affluentis fl. Orinoco dict.

La Pricion, Caura R.: ♂ ♀ 16. ii. 1902 (E. André).

Nicare, Caura R.: ♂ ♀ 18. i. 1901 (E. André).

La Union, Caura R.: ♀ (?) 17. xii. 1900 (E. André).

Snare, Caura R. : ♂? (sexed ♀) 10. x., ♀♀ 12, 26. x. 1900 (Klages).

"Irides chestnut; bare skin round eyes blue; broad pale blue band at base of lower mandible, and broad yellow band at base of upper mandible extending along the top of the culmen to tip, rest of bill reddish brown; feet black."

*Type*: ♂ 16. ii. 1901, La Prigion, André coll.

The series collected by Messrs. André and Klages on the Caura River leave no doubt as to the constancy of the difference in the colour of the bill of this form, which might be called a subspecies of *R. erythrorhynchus*\* of Guiana.

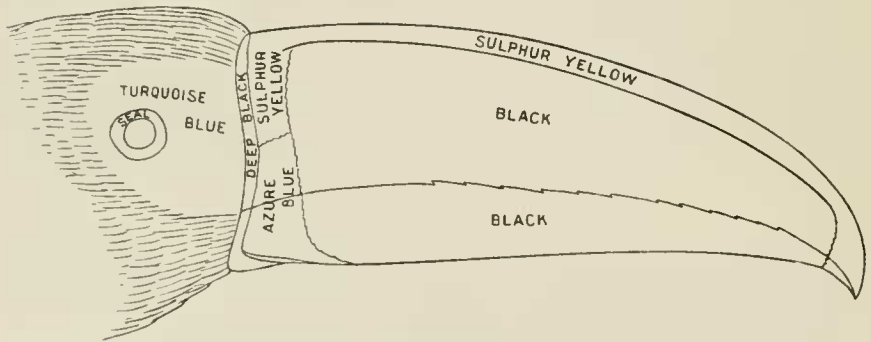
While it agrees with the latter in the colour of the upper tail-coverts, which are pure sulphur-yellow, not orange-yellow, its bill is very differently coloured, being of a dark sanguineous red clouded with obscure black, instead of being of a clear fiery or orange-red colour. Other differences are not apparent on the skins.

*R. haematorhynchus* forms an interesting transition between *R. erythrorhynchus* of Guiana and *R. cucieri* from the Amazons, or rather more with *R. cucieri inca* from Bolivia, etc.

### 339. *Ramphastos osculans* Gould (subsp. ?).

*Ramphastos osculans* Gould, *P. Z. S.* 1835 p. 156. *Hab.* in Brasilia—we substitute Rio Negro.

Munduapo, Upper Orinoco: ♂ ad. 10. ii. '99. "Iris seal; feet glaucous blue; bill as sketch." (No. 11889 Cherrie coll.)



This specimen has the upper tail-coverts scarlet, only orange at their lower portion, just above the black base. Most of the specimens of *R. osculans* in the British Museum have the upper tail-coverts orange, not scarlet, but there is some variation in this respect.† The basal band of the bill is yellow in the skins in the British Museum, but Gould figures it greenish. In the Munduapo bird the upper portion is sulphur-yellow, the lower azure-blue (upper third yellow, somewhat irregularly separated from the slaty basal portion in skin). The chest of the Munduapo bird is beautiful orange, the upper portion citron-yellow.

\* The proper name of the species now called *R. erythrorhynchus* should probably be *R. tucanus* Linn., *Syst. Nat.* Ed. X. p. 103. *R. monilis* Müll., *Naturkyst.*, Suppl. p. 83, is also older than *R. erythrorhynchus* Gm. It is probably based on Daubenton's plate, but this is not quite evident, and the colour of the bill not even being mentioned we can safely reject that name.

† In one adult specimen from "Guiana" the upper tail-coverts are pale orange-yellow, in one from "Oyapok, Cayenne" they are bright orange-yellow, in one from the "Rio Negro" of the same bright orange-yellow with scarlet tips, in another from the "Rio Negro" of a lighter orange-yellow. The two Rio Negro specimens (supposed by Dr. Sclater to be immature) have the chest yellow, the other orange.

The Munduapo specimen may belong to a new form, but more material should be studied before naming it.

340. *Ramphastos vitellinus* Licht.

*Ramphastos vitellinus* Licht., *Doubl. Verz.* (1823) p. 7 ("Cayana"—descr. non satis accurata, sed syn. *Le Vaill. Ois. de Parad.* tab. 7).

Snappure : ♂♂ 25. ii., 6. iii. '99; ♀ 25. x. 1900. "Iris brown; feet light blue-green; bill black with basal mark of light bluish green" (H. Klages).

La Pricion, Aura : ♂ 18. ii. 1901. "Irides brown, surrounded by a white ring; skin about eyes sky-blue; bill black, with a blue mark at base bordered with a narrow black band; feet medium blue" (E. André).

341. *Ramphastos culminatus* Gould.

*Ramphastos culminatus* Gould, *P. Z. S.* 1833 p. 70 (typ. ex Mexico\*—errore!).

Munduapo : ♂♀ 21. ii.; ♀ 21. ii. '99.

Nericagna : ♂♀ 28. iii. '99.

(Nos. 12049, 12050, 12051, 12291, 12292 Cherrie coll.)

"Iris, inner ring seal, outer greenish grey; feet glaucous blue; bare skin about eye turquoise blue; bill black, culmen and tip sulphur-yellow, band at the base on the sides of both mandibles azure blue."

These specimens agree with others from Yurimaguas, Upper Amazon. They have the lower throat very strongly tinged with sulphur-yellow, but not more so than in some birds from Yurimaguas and Bolivia, and the *female* from Munduapo has only a faint yellow tinge.

342. *Pteroglossus pluricinctus* Gld.

*Pteroglossus pluricinctus* Gould, *P. Z. S.* 1835 p. 157 (typ. ex Brasilia\*).

Munduapo : ♂ 21. ii.; ♀♀ 11, 17, 21. ii. '99.

(Nos. 11909, 11987, 12047, 12048 Cherrie coll.)

"Iris straw-yellow; feet dusky oil-green; bare skin about eye Paris green; bill, culmen and mandible black, sides of maxilla, basal half ochre-yellow, end half yellowish white, tip of maxilla pinkish vinaceous; bare skin on sides of tarsi plumbeous."

343. *Pteroglossus flavirostris* Fras.

*Pteroglossus flavirostris* Fras., *P. Z. S.* 1840 p. 61 (typ. in Mus. Derby, loc. ignota\*).

Munduapo : ♂ ad. 20. ii.; ♀♀ 7, 8. ii., ♂ juv. 9. ii. '99.

Nericagna : ♂♂ 28. iii., 3. iv. '99.

"Bill pale primrose yellow, with small black patch near tip on cutting edge of maxilla and an elongated ochraceous patch along centre of cutting edge of mandible; eye surrounded by slate-black, bounded by maroon purple; feet sage-green; bare skin immediately surrounding eyes slate-black."

(Nos. 11875, 11877, 11878, 12016, 12293, 12377 Cherrie coll.)

La Pricion : ♂ 2. ii. 1901 (E. André).

344. *Pteroglossus viridis* (L.).

*Ramphastos viridis* Lin., *Syst. Nat.* Ed. XII. (1766) I. p. 150 (ex Brisson—Cayenne).

Snappure : ♀ 27. x. 1900. "Iris red; feet olive; bill round nostrils and bases of both mandible coral red; upper third of maxilla golden yellow, on each side of this a narrow irregular black line, rest of maxilla deep red, serrations on cutting edge white; mandible black."

La Union : ♀♀ 17, 19. xii. 1900 (E. André).

\* We substitute Rio Solimões, Brazil.

345. *Pteroglossus aracari atricollis* (P. L. S. Müll.).

[*Ramphastos Aracari* Linn., *Syst. Nat.* Ed. X. (1758) p. 104 (ex Maregr.—Brasil. or !—Excl. synom. Edwards 64 qui = *R. piscivorus* specim. decolorat.)]

*Ramphastos atricollis* P. L. S. Müll., *Natursystem, Suppl.* (1776) p. 83 (ex *Pl. Enl.* 166—"Brasil" errore \*!).

Snare: ♀ ad. 23. viii. 1899 "Iris light orange-red; feet same colour as primaries but a little lighter; mandible black; maxilla dull yellowish white, more yellow near the tip; culmen black" (Klages coll.).

346. *Bucco capensis* L.

*Bucco capensis* L., *Syst. Nat.* Ed. XII. i. (1766) p. 168 (ex Brisson—Le Barbu, *Ocn.* I. p. 92 = *hab.* Guiana, sc. Cayenne! Linnaeus gave erroneously "Cap. b. spei" as the habitat, and his diagnosis is also very poorly rendered).

Mataben, R. Orinoco: ♀ 6. ii. '99. "Iris ochraceous rufous; feet gallstone-yellow; bill dusky brown along the culmen, passing into orange-ochraceous along the cutting edge and on mandible; eyelids orange-rufous." (No. 11836 Cherrie coll.)

La Pricion: ♂♂ 31. i., 1. ii. 1901 (E. André).

347. *Bucco tectus* Bodd.

*Bucco tectus* Bodd., *Tabl. Pl. Enl.* p. 43 (1783) (ex *Pl. Enl.* 688—Cayenne).

Snare: ♂♀ 29, 29. x. 1900. "Iris brown; feet and bill black" (Klages).

La Pricion: ♀♀ 1. ii. 1901. "Iris blackish; feet and bill black."

348. *Bucco macrodactylus* (Spix).

*Cyphos macrodactylus* Spix *Av. Bras.* I. p. 51 (1824) Pl. XXXIX. (*Hab.* in silvis flum. Amazonum. We substitute Fonteboa).

Maipures: ♂ 21. xii. '98. "Iris liver-brown; feet smoke-grey; bill black" (No. 11570 Cherrie coll.)

349. *Bucco tamatia* (Gm.).

*Bucco Tamatia* Gm., *Syst. Nat.* 1 (1788) p. 405 (ex Buff.—Cayenne).

Maipures: ♀♀ 30. i. '99, 7. xii. '98. "Iris walnut brown; feet olive-plumbeous; bill black."

(Nos. 11385, 11798 Cherrie coll.)

350. *Bucco bicinctus* (Gould).

*Tamatia bicincta* Gould, *P. Z. S.* 1836 p. 80 ("Cayenne?"—errore †).

Altigracia: ♂♂ 3, 6, 16, 19, 20. xi., 6 (ter), 15, 17, 27. xii. '97, 14. i. '98; ♀♀ 4. xi., 10, 29. xii. '97.

Caicara: ♂ 26. iii. '98.

"Iris ochraceous straw-yellow (yellowish dirty); feet plumbeous olive."

(Nos. 8449, 8458, 8502, 8654, 8743, 8761, 9060, 9061, 9062, 9136, 9216, 9267, 9395, 9441, 9691, 10563 Cherrie coll.)

Ciudad Bolivar: ♂♂ 14. vi., 11. viii.: ♀♀ 28. v., 28. vii. '98 (Klages coll.).

\* We correct Cayenne! The Brazilian form, now generally called *Pteroglossus wiedi* Sturm, must be considered to be the true *R. Aracari* of Linnaeus.

† We substitute Venezuela.

351. **Monasa nigra** (Müll.).

*Cuculus niger* P. L. S. Müll., *Linn. Natursyst. Suppl.* (1776) p. 90 (ex Buff.—Cayenne)

Munduapo : ♂ 1. iii. ; ♀ ♀ 1, 3, iii., 3, 7 (bis), 10, 16, 24. ii. '99.

“ Iris bay brown ; feet slate-grey ; bill poppy-red.”

(Nos. 11169, 11170, 11815, 11842, 11843, 11904, 11965, 12092, 12141, 12142, 12167, 12276 Cherrie coll.)

Nericagua : ♀ 27. iii. '99.

Bichaco : ♂ ♀ 18. ix. '98.

Snapure : ♂ ♂ 21. ii., 17. iii., ♀ ♀ 21. ii., 18, 20. iii. '99.

La Pricion : ♂ ♂ ♀ ♀ December, February (André).

La Union : ♀ 17. xii. 1900 (André).

352. **Chelidoptera tenebrosa** (Pall.).

*Cuculus tenebrosus* Pallas, *Novæ Nord. Beytr.* III. (1782) p. 2 (ex Surinam).

Altagracia : ♂ ♂ 10 (bis), 12, 24. xii. ; ♀ ♀ 4. xii. '97, 20. i. '98.

Caicara : ♂ ♂ 12 (quater), 23. ii. ; ♀ ♀ 12, 24. ii., 3. iii., ♀ juv. 24. ii. '98.

“ Iris seal-brown ; feet slate-colour ; bill black.”

(Nos. 8600, 9025, 9143, 9144, 9362, 9752, 10042, 10043, 10044, 10048, 10226, 10243, 10244, 10346, 10355 Cherrie coll.)

Ciudad Bolivar : ♀ 1. vii. '98 (Klages).

Snapure : ♂ ♂ 16, 24. ii., 13. iii. ; ♀ ♀ 18. i., 24. ii. '99 (Klages).

Nicare : ♂ ♂ 18, 22. i. ; ♀ ♀ 18, 22. i. 1901 (André).

La Union : ♂ ♀ 18. xii. 1900 (André).

353. **Galbula galbula** (L.).

*Alcedo Galbula* Linn., *Syst. Nat.* Ed. XII, 1 (1766) p. 182 (ex Briss. & Edw.—ex Cayenne—excl. syn. Maregr.).

Perico : ♂ 20. xi. '98, 7, 10 (bis), 13, 20. ii. '99.

Maipures : ♂ ♂ 6, 8, 20. (bis), 24, 27 (bis) xii. ; ♀ ♀ 7, 9, 20. xii. '98.

Munduapo : ♂ ♂ 8, 9, 20. (bis) ii. ; ♀ ♀ 8 (bis), 10. ii. '99.

“ Iris seal ; feet olive buff (yellowish olive buff) ; bill black.”

(Nos. 11283, 11353, 11370, 11389, 11401, 11551, 11552, 11553, 11554, 11597, 11622, 11623, 11844, 11850, 11865, 11866, 11867, 11901, 11902, 11903, 11940, 12023, 12024, 12025 Cherrie coll.)

Snapure : ♂ ♂ 22. vi., 27. x. '99 ; ♀ ♀ 22. iii., 12. x. 1900 (Klages).

La Pricion : 10 ♂ ♂ 7 ♀ ♀ Dec. 1900, Feb. 1901.

La Union : 2 ♂ ♂ 18, 21. xii. 1900.

Nicare : 3 ♀ ♀ 18. i. 1901 (André).

354. **Galbula ruficauda** Cuv.

*Galbula ruficauda* Cuv., *Règn. Anim.* I. (1817) p. 420 (ex Le Vaill. *Ois. Parad.* II. Pl. L.) (La Guyane, se. Cayenne).

Caicara : ♂ 7. v. '98.

Altagracia : ♂ ♂ 10, 15, 18. xi., 7, 10, 15. (bis) xii. '97, 13, 19, 20, 24. i. '98, ♀ ♀ 15, 19. xi., 4, 10, 15, 29. xii. '97.

“ Eye dark seal-brown ; feet olive-yellow ; bill black ; claws black.”

(Nos. 8629, 8630, 8554, 8714, 8738, 9021, 9140, 9141, 9211, 9212, 9213, 9262, 9439, 9685, 9737, 9753, 9790, 10897 Cherrie coll.)

355. *Galbula albirostris* Lath.

*Galbula albirostris* Lath., *Ind. Orn.* 1. p. 245 (1790) (America austral.—We substitute Cayenne).

La Pricion, Caura R. : ♂ 31. i. 1901.

La Union, Caura R. : ♂ 17. xii. 1900.

Nicare : ♀ 19. i. 1901. " Iris dark brown ; upper mandible black, yellow at base, lower mandible all yellow ; feet and toes yellow ; claws blackish " (André).

356. *Brachygalba lugubris* (Swains.).

*Galbula lugubris* Swains., *An. in Menag.* p. 329 (1838) (British Guiana).

La Pricion : ♀ 4. ii. 1901 (André).

Nicare : ad. and juv. 18. i. 1901. " Iris blackish ; bill and feet black " (André).

357. *Jacamerops aureus* (P.L.S. Müll.).

*Alcedo aurca* P.L.S. Müll., *Natursystem Suppl.* (1776) p. 94 (ex Vosmaer : Berbice, Brit. Guiana).

There is no doubt, from Vosmaer's detailed description, that the bird called *Jacamerops grandis* by Dr. Selater, is Vosmaer's " Amerikaanscher langstaartiger Ys-vogel " of 1768, and consequently Müller's name given 1776 must precede Gmelin's *grandis* of 1788.)

Snapture : ♂♂ 15. iii. '99, 30. x. 1900. " Iris brown ; feet dark yellowish grey ; bill black " (Klages).

358. *Ceryle inda* (L.).

*Alcedo inda* Lin., *Syst. Nat.* Ed. XII. 1 (1766) p. 179 (ex Edwards—India occ.—errore ! We substitute Cayenne ex Buffon, Daubenton).

Mato River : ♂♂ 28. ii., 6. iii. 1900 (Klages).

La Pricion : ♂♂ ♀ January, February, December (E. André).

" Iris brown ; mandibles black ; feet and toes medium brown " (André).

359. *Ceryle superciliosa* (L.).

*Alcedo superciliosa* Lin., *Syst. Nat.* Ed. XII. 1 (1766) p. 179 (America ! ex Edwards, spec. cab. Duke of Richmond. We substitute Surinam, as all the other birds from the Duke of Richmond's cabinet, which Edwards figured, had come from Surinam, *via* Holland).

Altagracia : ♀ juv. 29. xi. '97.

Maipures : ♀ ad. 24. xii. '98.

Quiribana de Caicara : ♀ ad. 19. iv. '98.

♀. " Iris seal-brown ; feet dusky ; bill blackish ; yellowish on the lower edge of mandible."

(Nos. 8194, 10787, 11601 Cherrie coll.)

Mato River : ♂ ad. 24. ii. 1900 (Klages).

La Pricion : ♂♂ Dec. 1900, Feb. 1901 (André).

♂. " Iris dark grey ; feet very pale yellowish grey ; bill black, except central part of base of mandible, which is pinkish white " (Klages).

360. *Ceryle torquata* (L.).

*Alcedo torquata* Lin., *Syst. Nat.* Ed. XII. 1 (1766) p. 180 (ex. Briss.—Mexico & Martinique).\*

Caicara : ♂♂ 14. iii. 29. x. ; ♀♀ 4. iii., 15. viii. '98.

Quiribana de Caicara : ♂♂ 26. iv., 21. ix. ; ♀♀ 25. iv. '98, 19. iv. '99.

\* We accept Mexico as the typical locality.



" Iris dark seal ; bill black, slaty at base below (of mandible), and lower distal corner of maxilla ; feet dusky plumbeous blue (plumbeous olive)."

(Nos. 10378, 10483, 10797, 10823, 10839, 11131, 11273, 12785 Cherrie coll.)

Supure : ♂ 2. ii. 1900 ; ♀ 11. xi. '99 (Klages).

Mato River : ♂ 11. iii. 1900 (Klages).

Temblador : ♂ 27. ix. 1900 (Klages).

Nicare : ♀ 20. i. 1901 (André).

### 361. *Ceryle amazona* (Lath.).

*Alcedo amazona* Lath., *Ind. Orn.* I. (1790) p. 257 (typ. ex Cayenne).

Caicara : ♂♂ ad. 21, 28. ii., 15. viii., 1, 5. iii., ♂♂ juv. 4. iii., 21. ii. : ♀♀ ad. 12, 14, 28. ii., ♀♀ juv. 28. ii., 4. iii. '98.

" Iris dark seal ; feet black ; bill black."

(Nos. 10049, 10070, 10192, 10193, 10307, 10308, 10309, 10310, 10322, 10374, 10375, 10381, 11130 Cherrie coll.)

Ciudad Bolivar : ♂ 11. viii. '98.

Supure : ♂♂ 28. vi., 27. vii., ♀♀ 27. iv., 1. vii. '99 (Klages).

Nicare : ♂ 22. i. 1901.

La Pricion : ♂ juv., ♀ 2, 18. ii. 1901 (André).

### 362. *Ceryle americana* (Gm.).

*Alcedo americana* Gm., *Syst. Nat.* 1 (1788) p. 451 (ex Buff.—Cayenne).

Capuchin : 21. viii. '98.

Caicara : ♂♂ ad. 28. ii., 4. iii., 15. viii., 22. x. '98.

Perico : ♂ 25. ix. '98.

Quiribana de Caicara : ♀ 19. iv. '98.

" Iris dark seal ; feet dusky blackish ; bill black."

(Nos. 10304, 10376, 10786, 11129, 11140, 11228, 11255 Cherrie coll.)

Supure : ♂ 2. viii. '99 (Klages).

Mato River : ♂♂ ♀ 22. ii. 1900 (Klages).

Ciudad Bolivar : ♀ 31. xii. '98 (Klages).

La Pricion : ♂♂ ♀ Feb. 1901 (André).

Nicare : ♂ ♀ ♀ Jan. 1901 (André).

### 363. *Momotus momota* (L.).

*Ramphastos momota* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 152 ex Edwards & Brisson (typ. ex Cayenne fide Brisson excl. syn. Maregr.).

Nericagua : ♂ 4. iv. '99.

" Iris vermilion ; feet dark smoke-grey ; bill black, smoke-grey at base of mandible" (No. 12397).

Supure : ♂♂ 27. ii., 22. iii., 19. ix. '99 (Klages).

Nicare : 13, 15. xii. 1900.

La Pricion : ♂♂ ♀ Jan. 1901 (André).

These skins agree perfectly with specimens from Guiana.

363A. *Momotus ignobilis* (Berl.).

*Momotus brasiliensis ignobilis* Berl., *J. f. O.* 1889 p. 306 (Yurimaguas, Huallaga).

Mataben, Rio Orinoco: "♂" (one immature bird with middle rectrices not yet spatulated).

This specimen agrees well with the specimens from the Upper Amazon and E. Ecuador, but seems to differ slightly in having the underside, upper back and sides of neck more suffused with rusty. There is no chestnut patch on the hindneck.

364. *Trogon violaceus* Gm.

*Trogon violaceus* Gm., *Syst. Nat.* 1 (1788) p. 404 (ex Koelreuter, *Nov. Act. Petrop.* II. p. 436 no. 7. tab. 16, f. 8).

*Trogon meridionalis* Swains., *Anim. in Menag.* p. 332 (1837) ("Bahamas" errore!).

Munduapo: ♀ 23. ii. '99. "Iris seal; feet slate-colour; bill above blackish, mandible and cutting edge of maxilla slaty grey." (No. 12080 Cherrie coll.)

La Pricion on the Caura R.: ♂ ad. 14. xii. 1900. "Irides brown, around the eyes yellow; feet black; beak bluish white" (André).

There is nothing in the diagnosis and description of Gmelin that does not agree with the birds now generally called *Trogon meridionalis*, except the words "superciliis flavis"; but it is apparent that these words are either merely an erroneous reproduction of Latham's words "eyelids yellow," or some misunderstanding of Koelreuter's communication which we are unfortunately not able to compare. Unless Koelreuter has given a precise locality, we substitute "Surinam" for *Trogon violaceus*, as nearly all collections at that time used to come from Surinam or Cayenne.

365. *Trogon viridis* L.

*Trogon viridis* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 167 (ex Briss.—Cayenne).

Río Catañapa: ♂ ad. 26. xi. '98.

Altagracia: ♂ ♀ 4. ii. '98.

Maipures: ♂♂ 10, 17, 18. xii., ♂ juv. 26. xii.; ♀♀ 21, 27. xii. '98.

Perico: ♂ ad. 22. xi., ♀ juv. 20. xi., ♀ 23. ix. '98.

"Iris seal (greyish); feet dusky slate (slate-grey); bill white horn-colour (pale bluish or whitish horn-colour, pale pea-greenish, pale greenish horn-colour); eyelids blue-grey."

"♀. Bill, dusky horn-colour (blackish horn-colour)."

"♂ juv. Bill, maxilla blackish at top, mandible and base of maxilla plumbeous."

(Nos. 10007, 10008, 11197, 11284, 11317, 11339, 11409, 11418, 11493, 11598, 11614, 11628, Cherrie Coll.)

Snapure: ♂♂ 10. i. 1900, 22. iv.; ♀♀ 3. iii. 27. vii. '99 (Klages).

La Pricion: ♂♂ 14, 16. xii. 1900.

La Unión: ♂ 20. xii. 1900.

Nicare: ♂ 18. i. 1901.

366. *Ara macao* L.

*Psittacus macao* Linn., *Syst. Nat.* Ed. X. (1758) p. 96 (ex Edw., etc., "Am. anstral" \* excl. syn. Maregr.).

Caicara : "♂ ♀" ad. 24. x. '98 (primaries moulting). (Nos. 11262, 11263.)

"Iris straw-yellow; feet slate blackish; bill above horny white, with tip slate and basal angle black, mandible black; bare skin on head a dead flesh-white."

Nicare : ♂ ♀ 18. i. 1901 (André).

367. *Ara severa* (L.).

*Psittacus seuerus* Linn., *Syst. Nat.* Ed. X. (1758) p. 97 ("in Indiis" †).

Caicara : ♂ 12. iii. '98.

Quiribana de Caicara : ♂ 14. iv.; ♀ 19. iv. '98.

(Nos. 10473, 10723, 10788.)

"Iris chrome yellow; feet blackish slate; bill black; bare skin about eye chalk-white."

Suapure : ♂, ♂?, ♀ 28. xi., 16. vi. '99, 11. iv. 1900 (H. Klages).

Nicare : ♂ 20. i. 1901 (André).

368. *Ara hahni* (Souancé).

*Psittacara hahni* Souancé, *Rev. et Mag. de Zool.* 1856 p. 58 (Colombie).

Suapure : ♀ 7. i. '99. "Iris dark reddish orange; feet very dark grey; bill black; bare skin of face white" (Klages).

369. *Conurus haemorrhous* (Spix).

*Aratinga haemorrhous* Spix, *Av. Bras.* I. p. 29, t. xiii. (1824) (*habitat* in Campo Alegre Bahiae).

Quiribana de Caicara : ♂♂ 11, 19, 23, 26. (bis) iv. '98. "Maxilla vinaceous cinnamon, slaty at extreme tip, mandible slate; iris and eyelid orange; feet buff yellow, or: mandible whitish horn-colour, slaty at tip, or: bill vinaceous cinnamon above, extreme tip and mandible blackish slate; bare skin about eye white."

(Nos. 10702, 10793, 10809, 10810, 10838 Cherrie coll.)

Cindad Bolivar : ♂ 14. vii., ♂? 23. vii. '98 (S. M. Klages). "Bill light bone-yellow, with dark grey tip and clouded with grey on the edge of mandible."

These skins agree well with *C. haemorrhous*. Some specimens have the mandible slaty, but so have others from other localities, though not regularly and not so dark as in *C. acuticaudatus*. The wings of our specimens measure : 170, 177, 179, 180, 185, 187 mm.

370. *Conurus aeruginosus* (L.).

*Psittacus aeruginosus* Linn., *Syst. Nat.* Ed. X. (1758) p. 98 (ex Edw. — "West Indies" errore ‡).

Altagraçia : ♂♂ ad. 5, 6. xi., 13, 14, 20, 21. xii. '97, 11. i. '98; ♀♀ 6. xi., 14. (bis), 20, 21. xii. '97, 11, 24, 25. i. '98.

\* We supplement S. Mexico as the typical habitat.

† We substitute Surinam as the typical habitat.

‡ We substitute Cumana in Venezuela.

Caicara : ♂ 17. iii. '98.

Maipures : ♂ ♀ 29. xii. '98.

“ Iris straw-yellow ; feet slaty grey ; bill grey (dusky horn-colour)”.

(Nos. 8486, 8503, 8504, 9178, 9190, 9191, 9192, 9194, 9195, 9298, 9299, 9333, 9334, 9633, 9634, 9635, 9792, 9814, 9888, 10505, 11648, 11649, 11650 Cherrie coll.)

Ciudad Bolivar : ♂ ♂ 13, 23. vii. '98.

Snapure : ♀ ♀ 11, 12. ii. '99 (Klages).

The specimens from Ciudad Bolivar, as well as those from Snapure, have mostly more yellow about the eyes than those from Altagracia, Maipures, and Caicara, and the ear-coverts are mostly somewhat more uniform. The Orinoco specimens collected by Cherrie have partly rather light ear-coverts, approaching those of *C. aeruginosus urubensis* Hart.

### 371. *Pyrrhura picta* (P. L. S. Müll.).

*Psittacus pictus* P. L. S. Müll., *Natursyst. Suppl.* p. 75 (1776) (ex *Pl. Enl.* 144—Cayenne).

Snapure : ♀ 18. v. '99. “ Iris brown ; feet dark grey ; bill grey.”

La Pricion : 4 ♂ ♂ Dec. 1900, Feb. 1901. “ Irides chestnut ; bill and feet deep brown, nearly black. Native name : Kiriko ” (E. André).

### 372. *Psittacula sclateri* Gray.

*Psittaculu sclateri* G. R. Gray, *List Spec. Brit. Mus. Psittacidae* (1859) p. 86 (Rio Javarri).

La Union on the Caura River : ♂ 20. xii. 1900. “ Irides brown ; beak blackish ; feet brown ” (E. André).

### 373. *Psittacula guianensis* (Sws.).

*Agapornis Guianensis* Sws., *Anim. in Menog.* (1838) p. 320 (Demerara).

Altagracia : ♂ ♂ ad. 21, 27, 28. xii. '97, 3, 4, 14. (bis) i, ♂ juv. 14. i. '98 ; ♀ ♀ 13, 18, 20, 21, 27. xii. '97, 13. ii. '98.

Caicara : ♂ ad. 26. iii. '98.

Quiribana de Caicara : ♀ ♀ 7, 14. iv. '98.

“ Iris dark raw umber (vandyke) ; feet whitish (dirty whitish) ; bill whitish (flesh whitish, lilac-grey).”

(Nos. 9170, 9277, 9300, 9327, 9328, 9406, 9408, 9422, 9492, 9693, 9694, 9697, 9738, 9975, 10558, 10646, 10727 Cherrie coll.)

Ciudad Bolivar : ♀ ♀ 14. vi., 8. xii. '98 (Klages).

These specimens agree with others from Pto. Cabello in Mus. H. v. B., and a large series from Cumana in Mus. Tring. The *males* have the inner under wing-coverts of a dark cobalt-blue, the small outer under wing-coverts and the anterior upper wing-coverts tinged with azure-blue, also some of the posterior upper coverts of the primaries tinged with cobalt-blue. The uropygium is bright green without bluish suffusion.

A comparison with specimens from Demerara\* is necessary. Should there be any difference between Demerara birds and those inhabiting Venezuela, the latter ought to bear the name *Ps. viridissima* Lafr. (*Rev. Zool.* 1848 p. 172, ex Caracas).

\* If the bird occurs at all at Demerara! No specimens from Guiana seem to exist in any museum.

374. **Brotoperys devillei** Salvad.

*Brotoperys devillei* "Gray" Salvad., *Cat. Birds Brit. Mus.* XX. (1891) p. 259 (typ. ex R. Amazon—Bates).

*Conurus jugularis* Dev., nec *Psittacus jugularis* Müll.

Maipures : ♂♂ 18. xii. '98, 23. i.; ♀♀ 23. i. '99, 18. xii. '98.

Nericagna : ♂♂ 28, 30. iii., 3. iv.; ♀♀ 28, 30. iii., 3. iv. (bis) '99.

"Iris dark seal; feet dirty whitish (whitish flesh-colour); bill, pale horn-colour (shaded with vinaceous—pale vinaceous cinnamon, whitish horn-colour towards base."

(Nos. 11516, 11517, 11716, 11717, 12288, 12289, 12309, 12310, 12311, 12383, 12384, 12385 Cherrie coll.)

375. **Amazona inornata** (Salvad.).

*Chrysotis inornata* Salvad., *Cat. Birds Brit. Mus.* XX. (1891) pp. 269, 281 (typ. ex Veragua).

Munduapo : ♂♂ 2, 13. iii.; ♀ ad. 13. iii. '99.

"Iris orange yellow; feet plumbeous pea-green; bill dusky slate along ridge of culmen and apical one-half; a dusky wax-yellow spot at basal cutting edge, below dusky yellowish grey; bare skin about eye pale greyish white; skin about nostrils black."

(Nos. 12208, 12209, and one without number, Cherrie coll.)

Nicare : ♀♀ 18, 20. i. 1901 (E. André).

One of the Nicare specimens has a large yellow patch on the crown, like *A. farinosa*, but as it is somewhat larger and more greyish on the wings, it is here recorded also as *A. inornata*. *A. farinosa* and *A. inornata* are very closely allied, and should probably only be separated as subspecies.

376. **Amazona ochrocephala** (Gm.).

*Psittacus ochrocephalus* Gm., *Syst. Nat.* i. 1 (1788) p. 339 "Am. austral." (ex Brisson. Ps. amaz. bras.\*).

Altagracia : ♂♂ ad. 23. xi., 17, 20. xii. '97, 29. i. '98; ♀♀ 17. (bis), 20, 24. xii. '97.

Caicara : ♂♂ ad. 16. iii., 30. vi.; ♀♀ 2, 16. iii., 30. vi. '98.

Quiribana de Caicara : ♂ 4. iv.; ♀ 16. iii. '98.

"Iris orange-chrome with inner ring dark olive (with inner ring olive-buff); feet dusky slate; bill blackish."

(Nos. 8792, 9273, 9274, 9278, 9292, 9293, 9360, 9894, 10351, 10497, 10498, 10499, 10597, 11021, 11022 Cherrie coll.)

377. **Amazona bodini** (Finsch).

*Chrysotis bodini* Finsch, *P.Z.S.* 1873 p. 569 Pl. XLIX. (loc. ignot. †).

Altagracia : ♂♂ 27. xi., 16. xii. '97, 4, 5. ii. '98; ♀♀ 22. xi., 16, 21. xii. '97.

Caicara : ♂♂ 15, 16, 18. (bis) ii., 1, 15, 21. iii.; ♀♀ 15, 16, 18. ii. '98.

"Iris orange-chrome; feet slate; bill dusky."

\* The habitat given by Brisson as "Amazones et Brésil" is apparently erroneous. We substitute Venezuela.

† We substitute Middle Orinoco.

(Nos. 8770, 8908, 9240, 9241, 9335, 10006, 10026, 10073, 10075, 10117, 10118, 10153, 10154, 10155, 10333, 10495, 10539 Cherrie coll.)

We have now before us a splendid series of this rare species, the habitat of which was somewhat uncertain till now.

### 378. *Amazona amazonica* (L.).

*Psittacus amazonicus* Linn., *Syst. Nat.* Ed. XII. (1766) I. p. 147 (*hab.*: Surinam \*).

Quiribana de Caicara: ♂ ad. 28. iv. '98. "Iris orange; feet dusky plumbeous olive; bill, maxilla blackish, mandible yellowish horn-colour." (No. 10868 Cherrie coll.)

### 379. *Pionus fuscus* (P. L. S. Müll.).

*Psittacus fuscus* P. L. S. Müll., *Natursyst. Suppl.* p. 78 (1776) (ex Buffon and Edwards, *hab.* Cayenne).

Mountains west of Snapure: ♂ ad. 1. v. 1900. "Iris brown; feet dull yellowish grey; bill black with lighter and darker yellow marks" (S. M. Klages).

### 380. *Pionus menstruus* (L.).

*Psittacus menstruus* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 148 (ex Edw.—loc. ignot. et Briss.—Guiana sc. Cayenne).

Munduapo: ♂ 20. iii.; ♀ 13. iii. '99, taken with three nearly grown young.

Río Catañapa: ♀ 26. xi. '98.

(Nos. 11342, 12156 Cherrie coll.)

"Iris seal; feet dusky olive-greyish; bill above blackish with a reddish spot near basal cutting edge, below dusky horn-colour; bare skin about eye bluish slate-colour."

Snupure: ♂ ad. 7. iv. 1900 (Klages).

Nicare: ♀ ♀ 18. i. 1901 (E. André).

### 381. *Pionites melanocephala* (L.).

*Psittacus melanocephalus* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 149 (ex Briss.—"Mexico," errore); sc. Edw. Pl. 169 (ex "Carraceos" †).

Nericagna: ♂♂ 29. iii. '99 (bis).

Munduapo: ♂ 7. ii. '99.

"Iris orange; feet dusky blackish slate; bill black."

(Nos. 11844, 12295, 12296 Cherrie coll.)

Snupure: ♂ 1. iii. '99 (H. Klages).

Nicare: ♀ 18. i. 1901 (André).

### 382. *Gypopsitta vulturinus* (Kuhl).

*Psittacus vulturinus* Kuhl. *Consp. Psitt.* p. 62 (1820) (*hab.* "Brasilia" Mus. Berol., etc.).

Snupure: ♀ 7. iv. 1900 (S. M. Klages).

La Pricion: ad. 13. xii. 1900 (E. André).

\* Linnaeus says: "Habitat in Surinamo," but he quotes Brisson, who says "On le trouve dans le pays des Amazones et au Brésil. Du cabinet de M. de Réaumur," then Frisch, who gives a good figure but no locality, and Maregr. who gives "Brasil or."

† We take Caracas, Venezuela, as the typical habitat.



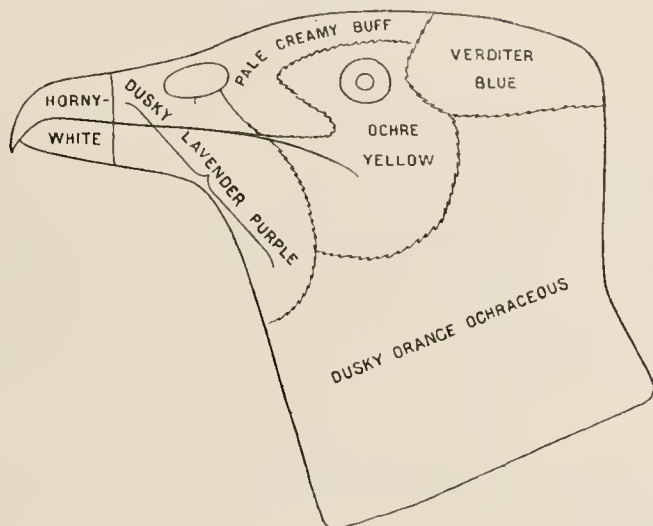
These specimens agree fully with others from British Guiana (Rio Takutu and Rio Essequibo) in the Tring Museum, while one from Bemavides, near Para, has the forehead much darker. Comparison of a series would be desirable.

### 383. *Cathartes burrovianus* Cass.

*Cathartes burrovianus* Cass., *Proc. Acad. Philad.* II. (1845) p. 212 (Vera Cruz, Mexico! errore?).  
[Cf. *Biol. Centr. Am.* III. (1901) p. 136.]

Caicara: ♂ juv. 14. iii.; ♀♀ ad. 7. iii., 7. viii. '98.

(Nos. 10407, 10486, 11099 Cherrie coll.)



HEAD OF CATHARTES BURROVIANUS.

### 384. *Polyborus cheriway* (Jacq.).

*Falco cheriway* Jacq., *Beitr.* (1784) p. 17 tab. 4 ("Aruba an der Küste von Venezuela").

Caicara: ♂♂ ad. 8. iii., ♀ 4. vii., ♂♂ (juv.) 17, 18. iii.; "♀" ad. 28. ii. '98.

Altigracia: ♀ 31. i. '98.

♂ juv. "Iris cinnamon; feet whitish; bill plumbeous, whitish at tip; bare skin about face pinkish white."

♀ ad. "Iris cinnamon; feet chitine yellow; bill plumbeous; bare skin about eye chrome yellow."

(Nos. 9919, 10311, 10411, 10512, 10524, 11047 Cherrie coll.)

### 385. *Ibyster ater* (Vieill.).

*Daptrius ater*, Vieill., *Analyse* pp. 22, 68 (1816) ("Brésil"—but it is more likely that Vieillot's bird came from Cayenne, and the latter locality may therefore be taken as the typical habitat).

Temblador: ♂ ad., ♀ juv. 29. ix. 1900 (Klages). "Iris brown; feet light yellow-orange; bill, ♀ juv., front of maxilla and base of mandible yellow-orange, rest black; ♂ ad., bill black with a yellow patch on the mandible; naked skin of face flesh-red, throat lemon-yellow."

Nicare: ♀ 18. i. 1901 (E. André).

386. **Ibycter americanus** (Bodd.)

*Falco americanus* Bodd., *Tabl. Pl. Enl.* p. 25 (1783) (ex *Pl. Enl.* 417: ex Cayenne, Buffon's text).

Perico: ad. 22. xi. '98. "Iris carmine; feet vermilion; bill straw-yellow; bare skin around eyes and throat vermilion; cere and bare loreal region plumbeous." (No 11312 Cherrie coll.)

Rapids of Piritu, Caïra: ♀ 23. xii. 1900 (E. André).

387. **Milvago chimachima** (Vieill.)

*Polyborus chimachima* Vieill., *Nouv. Dict.* V. (1816) p. 259 (ex Azara—Paraguay).

Altagracia: ♂♂ ad. 22. 23. xi. '97; "♀" 27. i. '98.

Caïcara: ♂♂ ad. 1, 18. iii., "♂♂" juv. 8. iii. (bis); ♀♀ ad. 18. iii., 22. x., ♀ juv. 28. ii.; ♂ ad. 5. iv., ♂ juv. 15. iv. '98.

Quiribana de Caïcara: ♀♀ ad. 5, 9. iv. '98.

Ciudad Bolivar: ad. 20. xii. '98 (Klages).

"Iris clay-colour (dark mummy brown) cere orange; feet pea-green (dusky); bill, very pale blue (pea green), black olive slate at base; bare skin about eye deep chrome (light chrome, lemon), fading into lemon-yellow on cere, blanching into sulphur-yellow at base of maxilla and mandible." "Crop full of ticks" (Cherrie).

(Nos. 8771, 8816, 9862, 10312, 10329, 10408, 10409, 10514, 10515, 10619, 10620, 10675, 10743, 11256 Cherrie coll.)

388. **Cooperastur bicolor** (Vieill.)

*Sparvius bicolor* Vieill., *Nouv. Dict.* X. (1817) p. 325 juv. (typ. ex Cayenne).

Altagracia: ♂ juv. 2. ii. '98.

Quiribana de Caïcara: ♂ juv. 3. iv. '98.

Caïcara: ♂♂ (ad.) 2, 11. viii.; ♀ juv. 10. xi. '98.

♂ ad.: "Iris orange; feet yellowish olive-yellow; bill black, slate at base of mandible; bare skin immediately surrounding eye chrome yellow; cere, lores and remaining bare skin on sides of face greenish sulphur-yellow."

♀ juv.: "Iris straw-yellow; feet like ♂ ad.; bill like ♂ ad., cere olive-yellow; bare skin surrounding the eye chrome yellow."

(Nos. 10596, 11066, 11119, 11276 Cherrie coll.)

389. **Rupornis magnirostris** (Gm.)

*Falco magnirostris* Gm., *Syst. Nat.* i, 1 (1788) p. 282 (ex Buff.—Cayenne).

Altagracia: ♂♂ ad. 2. xii. '97, 5. ii. '98, "♀" ad. 24. xi. '97.

Caïcara: ♂♂ 1, 2, 3, 12. iii., 8. viii.; ♀♀ 17. ii., 3, 7, 12. iii., ad. 15. iii. '98.

"Iris deep chrome (lemon-yellow); bare skin about eye citron-yellow; cere orange (chrome yellow); feet deep chrome (lemon) yellow; bill black (blackish), olive, slate at base."

(Nos. 8837, 8991, 10025, 10133, 10330, 10331, 10350, 10369, 10370, 10471, 10472, 10492, 10540, 11093 Cherrie coll.)

Suapure: ♂ ad. 27. iii. '99 (Klages).

La Pricion: ♀ 4. ii. 1901 (André).

390. **Urubitinga urubitinga** (Gm.).

*Falco Urubitinga* Gm., *Syst. Nat.* I. 1 (1788) p. 265 (ex Briss; ex Marcgr.—Brasil, sc. Bras. or.).

Quiribana de Caicara : ♂♂ (ad.) 8, 14. iv., ♂ juv. 26. iv. '98.

Caicara : ♂ 27. vi. : ♀♀ ad. 24. x., 25. vi. '98.

♂ (no. 10650): "Iris seal-brown; feet chrome yellow; bill black, slaty at base; cere and along edges of gape chrome yellow; lores and bare skin about eye sulphur-yellow."

(Nos. 10650, 10722, 10840, 10967, 10976, 11265 Cherrie coll.)

La Pricion : ♂ ad. 21. xii. 1900; ♀ 12. ii. 1901.

Nicare : ♂♀ juv. 18. i. 1901 (André).

391. **Heterospizias meridionalis** (Lath.).

*Falco meridionalis* Lath., *Ind. Orn.* I. (1790) p. 36\* (typ. ex Cayenne).

Altagracia : ♀♀ ad. 4, 15. i. '97.

Caicara : ♀♀ ad. 7. 25. vi., 10. viii.; ♀♀ 11, 13. viii., ad. 2. vii. '98.

Quiribana de Caicara : ♂♂ 25, 30. iv., ♀ 28. iv. '98.

"Stomach full of caterpillars" (♂ ad. no. 10812).

"Iris golden brown; feet chrome yellow; bill blackish (blackish slate) at base; cere chrome."

(Nos. 9516, 9730, 10859, 10889, 10939, 10968, 11038, 11110, 11114, 11125 Cherrie coll.)

392. **Busarellus nigricollis** (Lath.).

*Falco nigricollis* Lath., *Ind. Orn.* I. (1790) p. 35 (typ. ex Cayenne).<sup>5</sup>

Quiribana de Caicara : ♂ ad. 2, 29. iv., ♂ juv. 4. iv.; "♀♀" ad. 13, 15. iv., juv. 27. iv. '98.

Caicara : ♂ 10. viii. '98.

"Iris seal; feet greyish white (bluish white); bill black (blackish, slate at base, along edge of gape plumbeous); cere black (blackish slate)."

(Nos. 10582, 10599, 10707, 10742, 10850, 10869, 11111 Cherrie coll.)

393. **Asturina nitida** (Lath.).

*Falco nitidus* Lath., *Ind. Orn.* I. p. 41 (1790) (Cayana).

Suapure : ♂ ad. 3. iv. '99; ♀ ad. 5. x. 1900, ♀ juv. 19. ix. '99.

"♂ ad. : Feet light yellow-orange; bill blackish, base yellowish" (Klages).

394. **Micrastur semitorquatus** (Vieill.).

*Sparcius semitorquatus*, Vieill., *Nouv. Dict. d'Hist. Nat.* X. (1817) p. 322 (ex Azara: Paraguay).

The name *semitorquatus* should be accepted, as it is published on p. 322, *melanolucius* on p. 327.

Caicara : ♂ ad. 29. vi., ♀ jun. 5. vii. '98.

"♂ ad. : Iris seal; feet deep chrome yellow marked with olive; bill black, base of mandible yellowish oil-green; cere and skin round eye oil-green. ♀ jun. ditto."

(Nos. 11016, 11057 Cherrie coll.)

\* Latham's description is by no means clear.

395. *Accipiter tinus* (Lath.).

*Falco tinus* Latb., *Ind. Orn.* I. (1790) p. 50 (Cayana—Mus. Lever).

La Pricion : ♀ jnv. 31. i. 1901. "Irides orange-red ; bill black ; cere yellow ; feet and toes orange" (E. André).

396. *Geranospizias caerulescens* (Vieill.).

*Sparrius caerulescens* Vieill., *Nouv. Dict. d'Hist. Nat.* X. (1817) p. 318 ("Amérique méridionale." We take Cayenne as the typical habitat).

Altagracia : ♂ (jnv.) 15. xi. '97. "Iris chocolate with light outer ring ; feet bright cadmium orange ; bill black ; cere black ; claws black." The under tail-coverts of this specimen are pale ochraceous, the abdomen without cross-bars and suffused with pale ochraceous, the feathers being pale bluish slate with ochraceous borders.

Capuchin : ♀ (ad.) 21. viii. '98. "Iris carmine ; feet scarlet vermilion ; bill black, plumbeous at base of mandible ; cere black." The under tail-coverts and abdomen are light bluish-slate with narrow white cross-bars ; breast uniform light bluish slate.

397. *Spizaetus ornatus* (Dand.).

*Falco ornatus* Daud., *Traité d'Orn.* II. (1800) p. 77 (ex. Levaillant : Cayenne).

(The description of Manduit's *Grand Autour de Cayenne* and *Falco manduiti* Daud. t. c. p. 73 is so inexact and uncertain that it is advisable to accept *ornatus*.)

Nericagna : ♂ ad. 7. iv. '99. "Iris chrome yellow ; feet bright canary-yellow ; bill black, slate-grey at base of mandible ; lores bluish green" (no. 12458 Cherrie coll.).

398. *Leptodon cayennensis* (Gm.).

*Falco cayennensis* Gm., *Syst. Nat.* I. (1788) p. 263 [ex Latham (coll. Miss Blomefield) & Buffon : Cayenne].

Caicara : ♀ 23. ii. '98. "Iris gallstone-yellow ; feet deep chrome ; bill black ; cere deep chrome" (no. 10227 Cherrie coll.).

399. *Gampsonyx swainsoni* Vig.

*Gampsonyx Swainsoni* Vig., *Zool. Journ.* II. (1825) p. 69 (typ. ex Bahia, tableland).

Altagracia : ♂ 4. i. '98.

Caicara : ♂♂ 28 (quater), 29. vi. ; ♀ ad. 2. iii. '98.

Quiribana de Caicara : "♂" ad. 14. iv. '98.

"Iris chestnut ; feet chrome yellow ; bill black ; cere lemon-yellow."

(Nos. 9515, 10349, 10735, 10995, 10996, 10997, 10998, 11014 Cherrie coll.)

Ciudad Bolivar : ♂ 25. vi. '98 (Klages).

Snapura : ♀ 8. viii. '99 (Klages).

400. *Tinnunculus sparverius isabellinus* (Sws.).

[*Falco sparverius* Linn., *Syst. Nat.* Ed. X. (1758) p. 90 (ex Catesby—Virginia, Carolina).]  
*Falco isabellinus* Sws., *Anim. in Menag.* (1838) p. 281 (typ. ex Demerara).

Altagracia : ♂♂ ad. 10, 23. xi. '97.

Caicara : "♂" ad. 22. x. ; ♀♀ 8. viii., 3. iii., 22. x. '98.

Quiribana de Caicara : "♂♂" (ad.) 5, 30. iv. '98.

Río Catañapa : ♀♀ ad. 25. (bis) xi. '98.

Puerto Samoro : ♂ ad. 23. xi. '98.

Perico : 21. ix. '98 (no number).

"Iris seal-brown ; feet orange-yellow ; bill black at tip, plumbeous at base ; cere orange ; claws black ; bare skin about eye chrome yellow."

(Nos. 8563, 8808, 10371, 10618, 10890, 11092, 11253, 11254, 11326, 11335, 11336 Cherrie coll.)

Ciudad Bolivar : ♀ 30. vi. '98 (Klages).

#### 401. *Hypotriorchis fuscocaerulescens* (Vieill.).

*Falco fusco-caerulescens* Vieill., *Nour. Diet.* XI. (1817) p. 90 (ex Azara—Paraguay).

Altigracia : ♀ ad. 8. xii. '97.

Caicara : ♂♂ ad. 23, 28. x. ; ♀♀ 18. ii., 4. vii. '98 (bis).

Ciudad Bolivar : ♂ 27. xii. '98 (Klages).

♂ : "Eye vandyke brown (bright seal-brown) ; feet chrome yellow ; bare skin about eye and cere chrome yellow ; bill sulphur-yellow at base ; dusky slate at tip (blackish at tip changing through slate to greenish gray at base)" (Cherrie).

♀ : "Iris dark seal ; feet naples yellow ; bill whitish horn-colour at base, slate at tip ; bare skin about eye and cere naples yellow."

"Parts of several small fish in stomach" (Cherrie).

(Nos. 9085, 10156, 11048, 11049, 11260, 11271.)

#### 402. *Hypotriorchis rufigularis* (Daud.).

*Falco rufigularis*\* Daud. *Traité d'Orn.* ii. (1800) p. 131 (ex Lath.—ex Cayenne).

Río Catañapa : ♂♀ ad. 26. xi. '98.

Puerto Samora, R. Orinoco : ♂♀ ad. 23. xi. '98.

"Iris seal-brown ; feet orange ; bill, maxilla black, mandible slate, cere olive yellow ; bare skin about eye lemon-yellow."

(Nos. 11324, 11325, 11344, 11345 Cherrie coll.)

Suapure : ♂ 22. vi. '99 ; ♀ 12. x. 1900 (S. M. Klages).

#### 403. *Hypotriorchis columbarius* (L.).

*Falco columbarius* Linn., *Syst. Nat.* Ed. X. i. (1758) p. 90 ("America" descr. av. juv. ex Catesby ! We therefore take Carolina as the typical habitat).

Altigracia : ♀ jun. 29. i. '98.

Caicara : ♂ ad. (moulting) 26. iii. '98. "Iris seal ; feet deep chrome yellow ; bill blackish slate with slate-grey base, cere citron-yellow. In stomach parts of an *Atticora*."

(Nos. 9906, 10570 Cherrie coll.)

#### 404. *Pandion haliaëtus carolinensis* (Gm.).

*Falco haliaëtus* Linn. *Syst. Nat.* Ed. X. (1758) p. 91 ("Europa"—we take Sweden—ex Linn.—as the typical hab.)

*Falco carolinensis* Gm., *Syst. Nat.* i. (1788) p. 263 (ex Catesby—loc. incert. We take Carolina as typical habitat.)

Caicara : ♂ ad. 10. iii. '98. "Iris chrome yellow ; feet bluish pearl-grey ; bill black, plumbeous at base of mandible ; cere slate-colour" (no. 10447 Cherrie coll.).

\* Although the *Falco alligularis* stands first in Daudin's work, it seems best to accept the name *rufigularis*, as the description of the latter is much better and clearer.

405. *Speotyto cunicularia brachyptera* (Richm.)\*

[*Speotyto cunicularia* Molina, *Saggio, Stor. Nat. del Chili* p. 263 (1782) (Chile).]

*Speotyto brachyptera* Richm., *Proc. U.S. Nat. Mus.* xviii. (1896) p. 663 (Margarita Island, off Venezuela.)

Altagracia : ♂ ♀ 13, 30 Nov. 1897. " Iris lemon-yellow ; feet dusky olive ; bill olive-yellow." (Nos. 8621, 8949 Cherrie coll.)

These two specimens agree perfectly with one of the cotypes (no. 367) collected on Margarita by Lt. W. Robinson. Specimens from British Guiana, collected by H. Whitely, also belong to the same form.

406. *Pisorhina choliba* (Vieill.) (? subsp.).

*Strix choliba* Vieill., *Nouv. Dict. Hist. Nat.* vii. (1817) p. 39 (ex Azara—Paraguay.) †

Quiribana de Caicara : ♂ 3. iv. ; ♀ 6. iv. '98. " Iris lemon yellow ; feet dusky brownish ; bill greyish horn-colour."

Perico : ♀ 24. ix. '98.

(Nos. 91218, 10636, one without number, Cherrie coll.)

Ciudad Bolivar : ♀ 5. xii. '98 (Klages coll.)

A larger series from the Orinoco might show that they are separable as a new subspecies. The Orinoco specimens are apparently paler in coloration, and resemble somewhat *P. choliba decussata* (Licht.) from Bahia, but there is generally more of a rufescent mixture above and below, and they are larger. ♂ al. 163, caud. 87, culm. 16, tars. 32 ; ♀ al. 170, caud. 98, culm. 17 $\frac{1}{4}$ , tars. 33 mm.

407. *Glaucidium brasilianum phalaenoides* (Daud.).

[*Strix brasiliana* Gm., *Syst. Nat.* I. (1788) p. 298 (ex Maregr. Brasil. or.).]

*Strix phalaenoides* Daud., *Traité d'Orn.* ii. p. 206 (1800) (Trinidad).

Perico : ♂ 21. ix. 98. " Iris lemon-yellow ; feet olive-buff ; bill horny pea-green."

This bird agrees very well with specimens from British Guiana and Northern Venezuela, and is apparently not separable from Trinidad skins. If we admit (cf. Salvin, *Biol. Centr. Amer.* iii. p. 34) that the birds from Trinidad and the mainland of South America are the same, the name *phalaenoides*, being the earliest, must be accepted. The crown of our Perico skin appears to be somewhat uniform, but this is apparently due to its damaged condition.

408. *Columba speciosa* Gm.

*Columba speciosa* Gm., *Syst. Nat.* (1788) p. 783 (ex Buff.—Cayenne).

Maïpures : ♂♂ 16, 20, 24 (bis), 27. xii., '98, 28. i. '99 ; ♀ 10. xii. '98.

" Iris indian purple ; feet heliotrope (bright heliotrope) purple ; bill poppy-red ; distal  $\frac{1}{4}$  pearl-white ; eyelids burnt carmine."

(Nos. 11420, 11471, 11555, 11605, 11606, 11629, 11791 Cherrie coll.)

Suapure : ♀ 26. x. 1900 (H. Klages).

\* We have accepted this name provisionally, but it is necessary to compare specimens from Brazil. If they agree with the birds from Venezuela, Guiana, and Margarita, then the name *S. cunicularia grallaria* (Temm.) [*Strix grallaria* Temminck, *Pl. Col.* 146 (25 Aug. 1822), and Spix *Av. Bras.* i. p. 21 (1824)] must be accepted. Both these authors quote very small measurements. Richmond never referred to *grallaria* when describing (as a species!) his *Speotyto brachyptera*.

† The name "*brasilianus*," generally used for this species, cannot be employed for it. Cf. *Berl. Bull. B.O.C.* xii. (Oct. 1901) p. 8.



409. *Columba purpureotincta* Ridgw.

? *Columba vinacea* Temm. & Knip (nec Gm.) (ex Cayenne).

*Columba purpureotincta* Ridgw., *Pr. U.S. Nat. Mus.* (1887) p. 594 (ex Demerara).

*Columba plumbea* partim (nec Vieill.) Salvad., *Cat. Birds Brit. Mus.* XXI, p. 323 ff.

*C. capite supra, collo et corpore subtus laete griseo-vinaceis, nucha nitore amethystina violaceo resplendente, dorso alis caudaque fuscis, dorso superiore nropygio et cauda supra plus minusve violaceo-vinaceo lavatis, dorso medio alisque brunneo-aeneis vix violaceo indutis, tectricibus subalaribus rufescente-brunneis, remigibus pogonio interno plus minusve rufescente marginatis, rostro nigro, pedibus rubris.*

Obs.: *C. C. nigrirostris* dictae maxime affinis ut videtur sed corpore subtus magis griseo-vinaceo minus rufescente, uropygio caudaque supra vinaceo-violaceo tinctis, cauda subtus nigrescentiore necnon rostro minore.

♂♂ ad. 160, 154.    cand. 126, 125.    culm. 13½, 11½.    tars. 21½, 21 mm.

♀    "    156,            "    123,            "    12½,            "    21½    "

*Habitat*: in regionibus fl. Orinoco dicti, Ecuadoriae or., et Peruviae or. septr.

This is probably the *T. vinacea* Temm. (nec Gml.) ex Cayenne, but it is clearly distinct from *C. plumbea*, with which Count Salvadori has united it.

It is a much smaller bird than *C. plumbea*, with a rather shorter bill, and it is more vinous on the head and neck and on the underparts of the body. Also the under wing-coverts are rufescent brown instead of being greyish brown, and the inner webs of the remiges are more or less margined with rufescent. In fact, it seems to be the southern representative of *C. nigrirostris* Scl. of Central America, which it resembles very much, but it has the underparts of the body much darker, more greyish vinaceous, less rufescent, and the rump and the upperside of the tail are more or less suffused with violaceous vinaceous, this being never the case in *C. nigrirostris*. The tail underneath is much blacker, and the bill is rather smaller and weaker.

Specimens from Eastern Ecuador and Upper Amazonia in Mus. H. v. B. agree with the birds from Maipures.

Maipures: ♂♂ ad. 10, 22, 28. xii. '98; ♀♀ ad. 28, 31. xii. '98. "Iris heliotrope-purple; feet dark rose-purple (reddish rose-purple); bill black; eyelids burnt carmine."

(Nos. 11630, 11631, 11632, 11419, 11582, 11661 Cherrie coll.)

410. *Columba rufina* Temm. & Knip.

*Columba rufina* Tem. & Knip *Fig. I.* (1808-11) p. 59, pl. 24. "La Guiane française," etc. We accept Cayenne as typ. hab.

Altigracia: ♂♂ 18, 19 (ter), 20 (bis), 24, 30. xi. 2, 3, 4. xii. '97: ♀♀ 2, 13, 14. xi. '97, I. xii., ad. 18. xi. '97.

Caicara: "♂" juv. 8. iii. '98.

Maipures: ♂ 29. xii. '98. "Iris rose red ('dark-seal brown'); feet rose-red (lake-red); bill black; claws dusky (black)."

(Nos. 8606, 8700, 8730, 8731, 8732, 8747, 8748, 8815, 8816, 8942, 8950, 8966, 8967, 8992, 9016, 10418, 11651 Cherrie coll.)

411. *Zenaida ruficauda vinaceorufa* (Ridgw.) (?)

[*Zenaida ruficauda* Bp., *Consp. Av.* II. (1854) p. 83 (Nova Granada).]  
*Zenaida vinaceorufa* Ridgw., *Pr. U.S. Nat. Mus.* VII. (1884) p. 175 (Curaçao).

Altagracia : ♂♂ ad. 6, 23. xi. '97 ; ♀ juv. 6. xi. '97.

Caicara : ♂♂ 2, 12. (bis) iii. '98 ; ♀♀ 17. ii. 6, 12. iii. '98, ♂♂ 12. iii. '98 ; ♀ juv. 12. iii. '98. "Iris dusky (seal-brown) ; feet dusky carmine (lake-red) ; bill black."

(Nos. 8487, 8488, 8860, 10132, 10352, 10353, 10458, 10459, 10460, 10461, 10462, 10463 (Cherrie coll.))

The Orinoco specimens in their coloration seem to be somewhat intermediate between true *ruficauda* from Bogotá and *Z. r. vinaceorufa* Ridgw. from Curaçao, but they are evidently nearer to the latter.

Ciudad Bolívar : ♂♂ 15. vi., 25. vii. '98 ; ♀♀ 15. vi. '98 (Klages).

412. *Leptotila verreauxi* (Bp.)

*Leptotila verreauxi* Bp., *Consp. Av.* II. (1854) p. 73 (ex. "Nova Granata").  
*Leptotila insularis* Richm., *Pr. U.S. Nat. Mus.* XVIII. (1895) p. 659 (Margarita I., off Venezuela).

Altagracia : ♂♂ 15. xii. '97, 19, 27, 31. i. '98 ; ♀♀ 4, 17. xi. '97, 7, 10, 13 (bis), 20, 27. i. '98.

Caicara : ♂♂ 14, 19 (bis), ii. '98 ; ♀♀ 14, 19. ii. '98. "Iris ochre-yellow (orange-buff) ; skin about eye china blue ; feet lake-red ; bill black."

(Nos. 8457, 8679, 9214, 9564, 9617, 9618, 9664, 9665, 9736, 9754, 9861, 9907, 10071, 10072, 10171, 10172, 10173 (Cherrie coll.))

These specimens seem generally slightly richer below than others from Bogotá, but we have not been able to compare a good series. *L. insularis* Richm. (cotype in Tring) agrees well with the Orinoco specimens. Perhaps the latter name should be accepted for this form.

413 *Leptotila rufaxilla* (Rich. & Bern.)

*Columba rufaxilla* Rich. & Bern., *Act. Soc. Hist. Nat. Paris* I. (1792) p. 118 (Cayenne).

Altagracia : ♂ 4. ii. '98 ; ♀ 6. i. '98.

Maipures : ♂♂ 8, 11, 20, 22. xii. '98 ; ♀♀ 17, 22, 30. xii. '98.

Perico : ♂♂ 30. ix., 21. xi. '98 ; ♀♀ 21. 31. xi. '98.

Rio Catañapa : ♂ 26. xi. '98 ; ♀ 25. xi. '98. "Iris olive yellow ; feet burnt carmine ; bill black ; lores maroon purple ; bare skin about lores purple."

(Nos. 9548, 10005, 11238, 11305, 11306, 11307, 11334, 11341, 11388, 11430, 11494, 11556, 11583, 11584, 11654 (Cherrie coll.))

414. *Columbigallina passerina granatina* (Bp.)

[*Columba passerina* Linn., *Syst. Nat.* Ed. X. 1. (1758) p. 165 (ex Sloane—Jamaica) excl. syn. Marcgr.]

*Chamaepelia granatina* Bp., *Consp. Av.* II. (Dec. 1854) p. 77 (Bogotá).

Altagracia : ♂♂ ad. 19. xi. '97, 8. xii. '97 ; ♀ 27. xi. '97, 8. xii. '97.

Caicara : ♀♀ 16. iii. '98, 18. ii. '98. "Iris rose-pink (yellowish, yellowish flesh-colour), eyelids lemon-yellow ; feet whitish (flesh white) ; bill black at tip, dusky orange at base (naples yellow at base, yellowish orange at base, claws black.)"

Ciudad Bolívar : ♂♂ 16. vi., 4. vii., '98 ; ♀♀ 11, 15. vi. '98 (Klages).

(Nos. 8602, 8893, 9090, 9091, 10145, 10501 Cherrie coll.)

The typical *Col. passerina* inhabits the Greater Antilles, while the continental South American birds are less dark and should be called *granatina*. A still paler form (*perpallida* Hart.) is found on Curaçao, Aruba and Bonaire.

#### 415. *Columbigallina rufipennis* (Bp.)

*Talpacotia rufipennis* Bonap, *Consp. Av.* II. (1854) p. 79 (Columbia).

Altagracia : ♂♂ ad. 6, 29. xi. '97, 4. i. '98 ; ♀♀ 9. xii. '97, 4. i. '98 (bis) ; ♀♀ juv. 4. i. '98.

Caicara : ♂ 24. (bis) ii. '98 ; ♀♀ 19, 24. (bis) ii. '98. " Iris orange-yellow (yellowish flesh). eyelids lemon yellow ; bill black at tip, dusky orange at base (dusky) ; feet pale reddish (whitish)."

(Nos. 8489, 8928, 9117, 9501, 9502, 9503, 9504, 9505, 10175, 10246, 10247, 10248, 10249 Cherrie coll.)

Ciudad Bolívar ; ♂♂ 30. vi., 3. viii. '98 (Klages).

La Union (Caura R.) : ♀ 18. xii. 1900 (André).

#### 416. *Columbigallina minuta* (L.).

*Columba minuta* L., *Syst. Nat.* Ed. XII., 1 (1766) p. 285 (ex Brisson : San Domingo, errore. We substitute Cayenne).

Ciudad Bolívar : ♂♀ ad. 25. vi. '98. " ♂ Iris pink ; feet light pink ; maxilla grey at base, mandible yellowish white at base, tip of both mandibles deep brown." (H. Klages).

#### 417. *Claravis* \* *pretiosa* (Ferrari-Perez).

*Peristera pretiosa* Ferrari-Perez, *Pr. U.S. Nat. Mus.* IX. (1886) p. 175—(ex Jalapa, Mexico).

*Columba cinerea* Temm. & Knip, *Pig.* I. (1811) fam. sec. p. 126, pl. 58 (Brésil). (Berlepsch rejects the name *cinerea* for this species, as being preoccupied by *Columba cinerea* Scop. 1786, while Hartert would accept *cinerea* T. & K.

La Union, Caura R. : ♂♂ 18, 21. xii. 1900.

La Pricion, Caura R. : ♀ 14. xii. 1900. " ♂ Iris red ; bill dark bluish ; feet pink. ♀ Iris yellow ; bill dirty brownish green ; feet pink" (E. André).

#### 418. *Scardafella ridgwayi* Robins. & Richm.

*Scardafella ridgwayi* Robins. & Richm., *Proc. U.S. Nat. Mus.* XVIIII. (1896) † p. 660 (typ. ex ins Margarita).

*Columba squamosa* Tem. & Knip, *nec Bonnat.*

Altagracia : ♂♂ 8. xi. (bis), 6, 8, 24. xii. '97 ; ♂ juv. 8. xii. '97 ; ♀♀ ad. 17, 30. xi., 3. xii. '97.

Caicara : ad. 24. ii. '98 ; ♂ 3. iii. '98. " Iris bright rose-pink (clay-colour), feet dusky flesh-colour, bill blackish."

(Nos. 8521, 8522, 8523, 8678, 8714, 8993, 9058, 9056, 9087, 10245, 10368 Cherrie coll.)

\* *Peristera* is preoccupied.

† Berlepsch accepts this name because there is already a *Columba squamosa* of Bonnat (1790) prior to Temminck's *Columba squamosa* of 1811. Hartert, of course, would accept *squamosa* for the *Scardafella*, as the other *squamosa* belongs to a widely different genus.

The continental specimens are not different from the original birds of the island Margarita, named *ridgwayi*.

Ciudad Bolivar : 3 ♂♂ 14, 17, 19. xii. '98 ; ♀ 27. vi. '98 (Klages).

#### 419. *Mitua tomentosa* (Spix).

*Crax tomentosa* Spix, *Ar. Bras.* II. (1825) p. 49 tab. LXIII. (ex sylvis paludosis fl. Nigri prope pagum Barcelonam).

Altagracia : ♂ ♀ 1. ii. '98.

Quiribana de Caicara : ♂♂ ad. 2, 13, 14, 25, 27. iv. '98 ; ♀♀ 4, 6, 19. iv. '98. "Iris bay-brown ; feet orange rufous ; bill pale horn-colour at tip, bright vinaceous basally, on mandible and at centre of maxilla, where the colour deepens and darkens rapidly up to the base ; ridge of the culmen blackish."

(Nos. 9924, 9925, 10583, 10598, 10623, 10706, 10721, 10784, 10811, 10848 Cherrie coll.)

Nicare : ♀ 18. i. 1901 ; native name "Pauji culo colorado" (E. André).

#### 420. *Crax alector* L.

? *Crax nigra* Liu., *Syst. Nat.* Ed. X. (1758) p. 157 (partim!) (Ex Sloane—ex Curaçao ins. The description of Sloane is too incorrect—the plumage described as black all over—to admit the name of the tenth edition of Linnaeus ; moreover Linnaeus' syuonymy is a mixtum compositum).

*Crax alector* Lin., *Syst. Nat.* Ed. XII. I. (1766) p. 269 (ex Brisson : *La Guiane* (= Cayenne), Brésil & Jamaïque (errore).)

Nericagua : ♀ 27. iii. '99. "Iris bright hazel-brown ; feet dark plumbeous ; bill plumbeous grey with greenish shade ; base from nostril and chin-angle orange chrome yellow, blackish at union of colours on maxilla." (No. not given). Native name "Pauji culo blanco."

#### 421. *Penelope jacupeba* Spix.

*Penelope jacupeba* Spix, *Ar. Bras.* II. p. 54 pl. 71 (1823) (Pará).

La Pricion, Caura R. : ♀ 16. ii. 1901. "Irides chestnut ; skin around eyes and at gape of lower mandible black ; bare throat red ; beak black ; feet red" (E. André).

#### 422. *Ortalis motmot* (L.).

*Phasianus motmot* Lin., *Syst. Nat.* Ed. XII. 1 p. 271 (1766) (ex Brisson—ex Brasilia, Guiana. We accept *Guiana* = *Cayenne*, typus in Mus. Réalmuriand. The synonym "Katrakas-katrakas," Fewill. pernw. must be excluded).

Nericagua : ♂ ad. 4. iv. '99. "Iris vandyke brown ; feet purplish burnt carmine ; bill plumbeous ; sides of face blackish slate-colour ; bare patches along sides of throat flesh colour." (No. 12396 Cherrie coll.)

La Pricion, Caura R. : ♀ ad. 5. ii. 1901. "Irides yellowish brown ; skins around bill and eyes dark grey ; skin on upper throat reddish ; bill greyish ; feet and toes red" (E. André).

423. *Pipile cumanensis* (Jacq.).

*Cra. cumanensis* Jacq., *Beitr.* (1784) p. 25 ("Am Orinokoflusse bey Kumana").

Munduapo: ♂♂ 15, 21. ii.; ♀♀ 9, 17, 25. ii. '99.

Nericagua: ♀ 25. iii.; ♂♂ 31. iii., 6, 13. iv. '99.

"Iris chestnut brown; feet bright brick-red; bill black (slate black) at tip; pearl blue from nostril and angle of gonyes (anterior point of nostrils and gonyes) to base where colour blends with pale pearl-grey of the bare skin on the sides of face; chin and upper throat azure blue; colour darkening to slate-black at lower part of bare neck and on wattle."

(Nos. 11876, 11986, 12046, 12247, 12328, 12438, 12504, Cherrie coll., one without number.)

La Pricion, Caura R.: 5 ♂♂ Jan., Feb., 1901 (E. André).

Nicare, Caura R.: ♂ 18. i. 1901 (E. André).

424. *Odontophorus gujanensis* (Gm.) (?)

*Tetrio gujanensis* Gm., *Syst. Nat.* I. 2 (1788) p. 767 (ex Buff. and Lath., "*Cayenne et Guiana.*" We take Cayenne as the typical locality).

Suapure: "♂" 17. vii. '99. "Iris light brown; feet dark grey; bill black; bare skin on face light flesh-red" (Klages).

This specimen agrees with skins from British Guiana, except that the crown and crest are brown, not chestnut, the throat and sides of head not chestnut, but greyish brown, mottled with blackish. The bird is moulting. Cayenne skins should be compared (Hartert).

425. *Eupsychortyx sonnini* (Temm.).

*Perdix Sonnini* Temm., *Hist. Nat. Gén. des Pigeons et des Gallinac.* III. (1815) p. 451, *P. Sonnini* t. c. p. 737. (Guiana, sc. Cayenne, ex Sonnini's edit. de Buffon.)

Altagracia: ♂♂ ad. 12. xi., 5. xii. (bis) '97, 4 (bis), 7, 15. i. '98, (sex not marked) (♂♂ ad.) 25. xi. '97, 17. i. '98; ♂♂ semi-ad. 16. xi. '97 (bis), 6. i. '98; ♀♀ 6, 12, 14 (ter) i. '98.

"Iris vandyke brown (sepia-brown, raw umber); feet blackish slate (dirty whitish, dusky whitish); bill dusky (black)."

(Nos. 8083, 8650, 8651, 8652, 8838, 9038, 9040, 9495, 9496, 9497, 9498, 9499, 9539, 9540, 9562, 9658, 9659, 9727 Cherrie coll.)

We have not been able to compare a series from Cayenne, but our Orinoco specimens agree on the whole very well with specimens collected in British Guiana by the late H. Whitely, and with others from Northern Venezuela in Mus. Tring. The comparison of a large series of fully adult birds from the Orinoco with an equal series from Cayenne might possibly result in a subspecific separation of two forms, but at present we are not justified to make a separation. The individual variation, apparently more or less due to age is very great in this and other *Eupsychortyx*. One adult ♂ from Altagracia can hardly be separated from the form called *parvicristatus*.\* The latter should only be considered as a subspecies of *E. sonnini*.

\* *Ortyx parvicristatus* Gould, *P.Z.S.* 1813 p. 106 (Bogotá).

426. *Opisthocomus hoazin* (Müll.).

*Phasianus hoazin* Müll., *Natursyst. Suppl.* (1776) p. 125 (ex *Pl. Enl.* 337—ex Cayenne).

Caicara : ♂♂ 21. ii. (bis), 10. iii. (bis); ♀♀ 21. (quater) ii., 10. iii., pulli, 6. (bis) viii. '98.

"Iris carmine; feet blackish slate; bill olive-slate; bare skin about eye nile-blue; lores, cheeks, chin pale cobalt-blue."

(Nos. 10179, 10180, 10181, 10182, 10183, 10184, 10185, 10186, 10442, 10443, 10444, 10445, 11077, 11078 Cherrie coll.)

427. *Crypturus cinereus* (Gm.).

*Tetrao cinereus* Gm., *Syst. Nat.* i. 2 (1788) p. 768 (ex Buff.—Cayenne).

Maipures : ♀♀ ad. 26, 27. xii. '98 (nos. 11697, 11746 Cherrie coll.).

Al. 188, culm. 65, tars. 56 mm.

"Iris russet brown; feet dusky smoke-grey; bill, dusky or blackish smoke-grey."

These birds, while agreeing in coloration with *males* from the River Takutu, Brit. Guiana (coll. Whitely), and one from Marajo, N. Brazil, in Tring (Steere coll.), presents larger dimensions, and shows rather darker brown legs and a deeper chestnut crown. These are probably peculiarities of the *female*.

428. *Crypturus pileatus* (Bodd.).

*Tetrao pileatus* Bodd., *Tabl. Pl. Enl.* p. 51 no. 829 (1783) (ex *Pl. Enl.* 829—ex Cayenne).

Nericagna : ♂ 24. iii., ♀ 25. iii. '99. "Iris russet brown; feet greyish chromium-green; bill above blackish, below greyish; pale at base." (Nos. 12226, 12248 Cherrie coll.)

La Pricion : ♀ 14. xii. 1900 (E. André).

429. *Crypturus variegatus* (Gm.).

*Tetrao variegatus* Gm., *Syst. Nat.* I. 2 (1788) p. 768 (Guiana, ex Buffon—Cayenne).

La Pricion : ♂♂ 17, 18. ii. 1901. "Irides brown, upper mandible black, lower mandible light brown, darker towards the tip; feet olive-green" (E. André).

These two birds agree well with specimens collected in British Guiana by the late H. Whitely, but the rufescent bars above are less clear and somewhat wider.

430. *Theristicus caudatus* (Bodd.).

*Scolopax caudatus* Bodd., *Tabl. Pl. Enl.* (1783) p. 57 (ex *Pl. Enl.* 976—Cayenne).

Altigracia : ♂♀ ad. 8. xi., ad. 12. xi. '97.

Quiribana de Caicara : ♂ 28. iv. '98.

(Nos. 8509, 8524, 8603, 10858 Cherrie coll.)

"Iris scarlet; feet geranium pink; bill black; bare skin about bill; eye and throat black."



431. *Harpiprion cayennensis* (Gm.).

*Tantalus cayennensis* Gm., *Syst. Nat.* Ed. XIII. 1 (1788) p. 652 (ex Buff.—Cayenne).

Altagracia : ♂♂ 28. i. '98 (bis).

Quiribana de Caicara : ♂♂ 15, 28. iv. '98.

"Iris indian purple (dark indian purple); feet green (malachite green); bill pea-green at tip, bottle-green at base."

(Nos. 9886, 9887, 10737, 10857 Cherrie coll.)

Cangrejo, Caura R. : ♀ 26. xii. 1900 (André coll.).

432. *Phimosus nudifrons* (Spix).

*Ibis nudifrons* Spix, *Ar. Bras.* II. (1824) p. 69 Pl. LXXXVI. (*hab. ad litora lacum fl. S. Francisci*).  
*Ibis infusata* Licht., *Verz. Doubl.* (1823) p. 75 (Brasil)\* nomen nudum!

Altagracia : ♂♂ ad. 31. xii., 30. xi., ♂♂ juv. 13. (bis) xii. '97, 15. i. '98; ♀♀ juv. 25, 28, 31. xii. '97; ♀ ad. 15. i., ♂ ad. 1. iii. '98.

Caicara : ♀♀ ad. 7. v., 15. iii. '98.

♀♀ ad. : "Iris carmine; feet dark sepia; bill reddish liver-brown."

♂ juv. : "Feet dusky sepia; bill wood-brown (reddish liver-brown), blackish at tip; skin about eye burnt carmine."

(Nos. 8930, 9187, 9188, 9389, 9431, 9472, 9473, 9728, 9729, 10332, 10494, 10893, 10894 Cherrie coll.)

♂♂ ad. al. 285—280, caud. 124—126, culm. 118 —127, tars. 58 —62 mm.

♂♂ juv. ,, 270—260 ,, 120—115 ,, 126½—117 ,, 65½—53 ,,

♀♀ ad. ,, 273—263 ,, 122—117 ,, 109 ,, 53½ ,,

♀♀ juv. ,, 262—246½ ,, 110—104 ,, 112—96 ,, 53½—52½ ,,

The adult birds collected by Mr. Cherrie have the naked front and cheeks as well as the bill uniform blood-red. There are no papillae on the front and cheeks, but merely some transverse corrugations on the front. The somewhat lanceolate feathers on the hindneck are mostly bottle-green or chalybeous, seldom with amethyst purple gloss. They differ probably constantly from Brazilian birds which have a yellow bill and chin (cf. Spix's description and a specimen from Porto Real in the Tring Museum), and might form a northern subspecies.

An adult bird from Paraguay (coll. Robde) in Mus. H. v. B. differs in having a great amount of corrugations or warts on the naked front and cheeks. The neck feathers are decidedly lanceolate and elongated, and of a splendid amethyst red-colour, changing to steel-green in a certain direction of light. The naked portions of the head are apparently more of a yellowish brown-red, and the bill pale flesh-coloured (al. 290, cand. 122, culm. 130, tars. 62 mm.). This Paraguay species is apparently quite distinct, and as it wants a name we call it

*Phimosus azarae* Berl. & Hart.

Specimens from Buenos Ayres (S. Martino, Monte, collected by Paul Neumann, in Tring Mus.) agree with *Ph. azarae*, those from the Rio Chaura in the Andes of Merida with the Orinoco birds.

\* *Ibis infusata* Licht. is a nomen nudum! It is true that Lichtenstein refers to Azara, and one would think that he had the intention to bestow a name on Azara's bird, in which case his name might be allowed to stand for the Paraguay species. But as he gives the habitat "Brasil," his nomen nudum becomes simply a synonym of the Brazilian species.

433. *Cercibis oxycerca* (Spix).

*Ibis oxycercus* Spix, *Av. Bras.* II. (1825) p. 69 tab. 87 (Provincia Pará).

Altagracia: ♂♂ 18. xii. '97.

Caicara: ♀ 5. viii., ♂♂ 17. iii., 5. viii. '98.

Quiribana de Caicara: ♂♂ ad. and juv. 19. iv. '98.

"Iris seal-brown (vandyke brown); feet lake-red (burnt carmine); claws black; bill vinaceous (hazel) rufous; bare skin about eye scarlet (lake-red); bare skin on throat chinese orange."

(Nos. 8851, 9291, 10511, 10782, 10783, 11074, 11075 Cherrie coll.)

434. *Eudocimus ruber* (L.).

*Tantalus ruber* Lin., *Syst. Nat.* Ed. XII. 1 (1766) p. 241 ["America," ex Catesby (Bahamas), Brisson (Cayenne). We take *Cayenne* ex Brisson as the typical locality].

Caicara: ♀ juv. 23. ii. '98. "Iris blue-grey; feet greyish white; bill pale rosaceous cinnamon" (no. 10230 Cherrie coll.).

435. *Ardea cocoi* L.

*Ardea cocoi* Lin., *Syst. Nat.* Ed. XII. 1 (1766) p. 237 ("Cayana," sc. Cayenne—ex Brisson).

Caicara: ♂ ad. 24. iii. '98. "Iris bright straw-yellow; feet black; bare skin about the eye blackish" (no. 10541 Cherrie coll.). According to André (*The Caura* chap. III. p. 12) it is common on the Caura. It is very wary. Called locally *Garza morena*.

436. *Herodias egretta* (Gm.).

*Ardea Egratta* Gm., *Syst. Nat.* I. 1 (1788) p. 629 (*hab. in ins. S. Dominici, ins. Falkland et Amer.\* australi, etc.*).

Caicara: ♂ 24. iii. '98. "Iris straw-yellow; feet black; bill dark chrome yellow; bare skin about eyes and at base of bill citron-yellow." ♀ 4. iii. '98.

(Nos. 10379, 10542 Cherrie coll.) †

437. *Florida caerulea* (L.).

*Ardea caerulea* Lin., *Syst. Nat.* Ed. X. 1. (1758) p. 143 ("America septentr." We take as the typical habitat Carolina ex Catesby).

Caicara: ♂ 29. x. '98. "Iris straw-yellow; feet dusky mouse-grey in front, dusky sage-green behind; basal half of bill dark plumbeous, distal half black; bare skin about eyes (extending to posterior edge of nasal slit) dusky sage-green" (no. 11274 Cherrie coll.).

Mato River: ♂ 11. iii. 1900 (Klages).

\* We take Cayenne (ex Buffon, Gmelin's first and principal source) as the typical habitat.

There seems to be little doubt that *Ardea galatva* Molina, *Saggio St. Nat. del Chili*, libr. iv. (1782) p. 25. refers to this species, as Molina describes it as a large white heron, 2 ft. 7 in. high, and with a yellow beak of 4 in., only the misleading words "pedibus coccineis" spoil his diagnosis. Molina's *Ardea thula* refers evidently to the *Leucophoyx candidissima* of recent authors, and Gmelin's *Ardea ohula* [*Syst. Nat.* I. 2 (1788) p. 633] is merely Molina's *thula*. It must, therefore, not be quoted under *Herodias egretta*, while *Ardea thula* of Molina is to be placed with *L. candidissima*.

† Mr. André, in his book on the Caura (chap. II. p. 9), gives some interesting notes on the export of the feathers called "osprey" in the trade from Ciudad Bolivar, and on the way they are procured in Venezuela.

438. *Agamia agami* (Gm.).

*Ardea agami* Gm., *Syst. Nat.* I. 2 (1788) p. 629 (Ex Buff. et Lath.—Cayenne).

Quiribana de Caicara: ♂ juv. 4. iv. '98. "Iris seal-brown; bill black; mandible dnsky olive-brown." (No. 10600 Cherrie coll.)

Nicare, Caura R.: ♂ ad. 13. i. 1901. "Irides bright red; upper mandible black, lower fawn; feet in front dark brown, behind light fawn-colour" (E. André).

An adult *male* shot in the Caroni swamps on Trinidad by Mr. E. André has the bill 15 mm. shorter. The iris is marked as orange-yellow, feet black, bill blackish with a pale yellow streak along the lower mandible, bare skin about the eyes greenish. Culmen in the ♂ from Nicare, 164 mm.; in the ♂ from Trinidad, 146 mm.

439. *Nycticorax nycticorax naevius* (Bodd.).

[*Ardea Nycticorax* Linn. *Syst. Nat.* Ed. X. (1758) p. 142 (Europ. austral.).]

*Ardea naevia* Bodd., *Tabl. Pl. Enl.* (1783) p. 56 (ex *Pl. Enl.* 939 av. juv.—Cayenne).

Quiribana de Caicara: ♂♂ ad. 3, 18, 21. iv. '98, "♀♀" juv. 21. iv. '88.

Caicara: "♀" (juv.) 28. ii. '98, ♂ ad., ♂ juv. 15. viii. '98. "Iris scarlet; feet olive-yellow; bill, maxilla blackish slate, sulphur-yellow basally; mandible blackish slate at tip, dusky sulphur-yellow basally."

♀♀ juv.: "Iris orange (orange-yellow); feet light chromium green; bill, maxilla blackish slate; mandible chromium green."

(Nos. 10313, 10595, 10795, 10796, 10781, 11127, 11128 Cherrie coll.)

440. *Cancroma cochlearia* Linn.

*Cancroma cochlearia* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 233 (ex Briss.—Cayenne).

Quiribana de Caicara: ♂ ad. 16. iv., ♀♀ ad. 16. (bis), 18. (bis), 21. iv. '98, ♀♀ jrs. (in brown plumage) 15, 16, 18. (bis) iv. '98.

Caicara: ♂ juv. 10, iii. '98. "Iris dnsky; feet oil-green; bill black above, dusky sulphur-yellow below; bare skin of chin and throat sulphur-yellow."

(Nos. 10435, 10741, 10756, 10757, 10758, 10759, 10770, 10771, 10772, 10773, 10794 Cherrie coll.)

441. *Pilherodius pileatus* (Bodd.).

*Ardea pileata* Bodd., *Tabl. Pl. Enl.* (1783) p. 54 (ex *Pl. Enl.* 907—Cayenne).

Altagracia: ♂ 22. i. '98, ad. 6. xii. '97.

Caicara: ♂♂ 9 (bis), 10. viii.; ♀ 11. viii. '98.

Quiribana de Caicara: ♂ 10. iv. '98.

El Fraile, Orinoko: ♀ 3. ix. '98. "Iris olive-brown (olive-buff); feet plumbeous olive-grey (cinereous); bill, base cobalt blue; middle of mandible lilac, tip of both mandibles grey to plumbeous (to the base); "tip of bill pearl grey, the colour deepening to plumbeous at point of union, with cobalt blue on maxilla and lilac on mandible, union on the maxilla gradual, on mandible abrupt; bare skin about eye and basal part of bill cobalt-blue; bill tip horny pearl-grey, changing to plumbeous, then blending on the maxilla at point indicated with the cobalt-blue

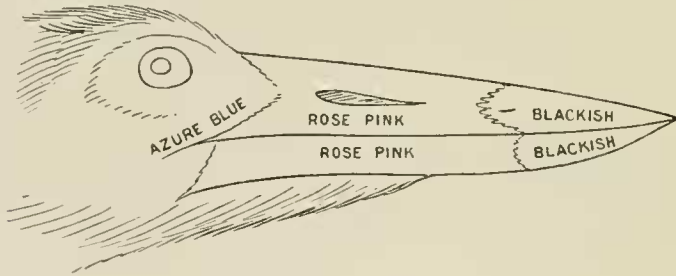
on mandible ; a sharply defined line marks the plumbeous from the pale lilac-purple spot that occupies centre of mandible. The line between the cobalt-blue and lilac spot also sharp."

(Nos. 8968, 9779, 10687, 11097, 11098, 11106, 11124, 11154 (Cherrie coll.)

#### 442. *Syrigma sibilatrix* (Temm.).\*

*Ardea sibilatrix* Temm., *Pl. Col.* V. pl. 271 (1824) ("Paraguay et Brésil."—We take *S. Brazil* as the typical habitat. Cf. Schlegel, *Mus. Pays-Bas, Ardeae*, p. 36 : Ad. fig. dans les *Pl. Col.* 271 Brésil, coll. Bonjour).

Caicara : ♀ ad. 22. x. '98. "Iris pearl-grey ; feet black ; bill rose-pink, tip blackish, bare skin in face azure blue. In life there is a narrow whitish line where the pink and black meets, the pink fading into the white colour, which is abruptly replaced by the black colour." (No. 11251 Cherrie coll.)



#### 443. *Butorides striata* (L.).

*Ardea striata* Linn., *Syst. Nat.* Ed. X. 1 (1758) p. 144 (typ. ex Surinam—Rolander).

Altigracia : "♂" juv. 26. i. '98 ; ♀ juv. 7. xii. '97.

Caicara : "♂♂♀" ad. 15. viii. '98. "Iris lemon-yellow ; feet olive-green ; bill above black, below pale greenish ; lores black ; bare skin about eye sulphur-yellow."

(Nos. 9065, 9841, 11133, 11134, 11135 (Cherrie coll.)

Snapure : ♀♀ ad. 28. v., 29. vi. '98 (Klages).

La Union : 17. xii. 1900 (E. André).

#### 444. *Tigrisoma lineatum* † (Bodd.).

*Ardea lineata* Bodd., *Tabl. Pl. Enl.* (1783) p. 52 (ex *Pl. Enl.* 860 ad.—Cayenne).

Caicara : ♀ ad. 28. ii. '98.

Quiribana de Caicara : "♂" ad. 8. iv., ♀ 6. iv. ; ♂♂ jr. 5, 8. (bis) iv. '98. "Iris, inner ring chrome-yellow, changing abruptly to walnut-brown on the outer half ; feet olive in front, olive-green on posterior half ; bill above clove-brown,

\* It is quite impossible to accept the name *cianocephala* used for this species by Heine, Reichenow, and Sharpe. Vieillot (*Nouv. Dict.* xiv. p. 411) had not the intention to create a new name, but while describing our species after Azara's "Flauta del Sol" (*Apuntam.* iii. p. 169), he associated it quite erroneously with the *Ardea cianocephala* of Molina, which is a *Nycticorax* (cf. *Cat. B.* XXVI. p. 156).

† Although there is some probability that *Ardea brasiliensis* Briss. (if the description is really taken from a Cayenne bird in *Mus. Réanmur*), which, with Maregrave's "Soco," forms the base of *Ardea brasiliensis* Linn., belongs to the same species as *Ardea lineata* Bodd. it seems better to drop the term "*brasiliensis*," as Brisson's description is by no means clear, and as Maregrave's description is probably referable to *T. bahiae* Sharpe.

along ridge of culmen changing to mummy-brown along sides; bare skin around eye, on chin, throat, sulphur-yellow; at base of mandible citron-yellow, along gonyes horny straw-yellow."

(Nos. 10314, 10622, 10624, 10651, 10652, 10653 Cherrie coll.)

♂♂ al. 340, 335, 325, caud. 130, 125, 120, culm. 116, 110, 105, tarsi. 99, 98, 98 mm.

♀ ad. Yquitos, al. 290, caud. 114, culm. 92½, tarsi. 95 mm.

As will be seen from this table of measurements, the Orinoco specimens marked "♂♂" are rather larger than an adult *female* from Yquitos (Upper Amazons). Perhaps the difference is only a sexual one. Specimens from Cayenne should be compared.

Nicare: ♀ juv. 18. i. 1901 (André).

La Pricion: ♀ ad. 17. ii. 1901 (André).

Cangrejo, Caura River: ♀ ad. 26. xii. 1900 (André).

This ♀ is much smaller than Cherrie's bird No. 10314, marked ♀, which nearly agrees in size with the birds Nos. 10624, 10625, marked ♂♂. This No. 10314 is probably a ♂, though there are *very* seldom errors in sex on Mr. Cherrie's labels.

#### 445. *Plotus anhinga* Linn.

*Plotus Anhinga* Linn., *Syst. Nat.* Ed. XII I. (1766) p. 218 (ex Marcgr. etc.). (Am austral. sc' Brasil. or.)

Quiribana de Caicara: 11. iv. '98.

Caicara: ♀♀ ad. 10, 19. iii., ♀ juv. 24. iii. '98. "Feet dusky olive-green; bill lemon-yellow; eye three rings—inner orange, middle chestnut, outer orange; bare skin about face sulphur-yellow."

(Nos. 10436, 10526, 10543, 10688 Cherrie coll.)

#### 446. *Phalacrocorax vigua* (Vieill).\*

*Hydrocorax vigua* Vieill., *Nouv. Dict.* VIII. (1817) p. 90 (ex Azara—Paraguay).

Caicara: ♀ ad. ♂ (jr.) 24. iii., ♀ jr. 18. iii. '98.

Quiribana de Caicara: ♂♂ 9. (ter) iv. '98. "Iris pear-green; bill blackish above, dusky horn below (maxilla blackish, mandible dusky horn-colour); feet black; bare skin at base and on chin straw-yellow."

(Nos. 10525, 10544, 10545, 10676, 10677, 10678 Cherrie coll.)

#### 447. *Porzana albicollis* (Vieill.).

*Rallus albicollis* Vieill., *Nouv. Dict. d'Hist. Nat.* XXVIII. (1819) p. 561 (ex Azara: Villa de Curugüati del Paraguay).

Quiribana de Caicara: ♀ 26. iv. '98. "Iris bright vandyke brown; feet dusky brown; upper half of maxilla olive-green; lower half and mandible apple-green." (No. 10826 Cherrie coll.)

This specimen agrees with two others from British Guiana (H. Whitely coll.), and one from Bahia (trade-skin) in Mus. Tring, except that the edges of all the feathers of the upper surface are olivaceous *grey* instead of olive-brown.

\* Mr. André, in his work on the Caura River, chapter iii., p. 16, says: "Near the mouth of the Mato River, on a large sandbank, I witnessed an extraordinary spectacle. For over a mile in the water on each side of this stretch of sand, and sitting on it, were myriads of this Cormorant, called "cotua" by the natives. I had seen immense flocks at Cumana, for it is plentiful on the north coast of Venezuela, but never before had I beheld such a multitude of birds assembled in one spot."

448. *Aramides cajanea* (Müll.).

*Fulica Cajanea* P. L. S. Müller, *Natursyst. Suppl.* (1776) p. 119 (ex *Pl. Ent.* 352—Cayenne).

Quiribana de Caicara: ♂ ♀ 7, 13. iv. '98.

Altagracia: ♀ 1. xii. '97. "Iris ochraceous rufous; feet bright carmine; eye apple-green; eyelids scarlet."

(Nos. 8954, 10638, 10709 Cherrie coll.)

We do not understand the difference between *A. cajanea* (Müll.) and *A. chircote* (Vieill.) as pointed out by Dr. Sharpe; the geographical distribution of the two supposed forms is, according to the distribution given in the *Cat. B.* xxiii. p. 59, evidently overlapping. The birds from the Orinoco have the pileum ashy grey, slightly tinged with brownish on the occiput, and the back greenish grey-brown, not so brownish as in specimens from British Guiana and Trinidad.

449. *Aramus scolopaceus* (Gm.).

*Ardea scolopacea* Gm., *Syst. Nat.* i. 2 (1788) p. 647 (ex Buff.—Cayenne).

Altagracia: ♀ ♀ 7. xii. '97, 13. i. '98. "Eye sepia; feet blackish."

(Nos. 9414, 9688 Cherrie coll.)

450. *Eurypyga helias* (Pall.).

*Ardea helias* Pall., *Neue Nord. Beytr.* II. (1781) p. 48, tab. III. (ex Surinam).

Altagracia: ♂ 8. xi. '97.

Quiribana de Caicara: ♂ 8. iv., ♀ 5. iv. '98.

La Union, Rio Portuguesa, Orinoco: ♂ pull. 8. x. '98.

Perico: ♀ 27. ix., ♂ 22. ix. '98. "Iris orange-vermilion; feet ochre-yellow; bill maxilla blackish; mandible ochre-yellow."

(Nos. 8520, 10664, 10736, 11192, 11234, 11242 Cherrie coll.)

Mato River: ♂♂ 25. ii., 12. iii.; ♀ 27. ii. 1900 (Klages).

La Pricion: ♂ 2. ii., ♀ ♀ 2, 18. ii. 1901 (E. André).

451. *Psophia crepitans* L.

*Psophia crepitans* Linn., *Syst. Nat.* Ed. X. (1758) p. 154 (*hab.* "In America meridionali." We substitute *Cayenne* ex Barrère, Linnaeus' principal and first source.\* The synonym *Maregrave* is to be excluded, as it pertains to a species of *Tinamus*).

Snapure: ♂♂ 3, 20. iv. '99. "Iris brown; feet, tibiae, and upper surface of tarsi light green, rest pale yellow; maxilla black; mandible deep green, tipped with black"; ♀ 4. iv. 1900 (H. Klages).

452. *Oedicnemus bistriatus* (Wagl.).

*Charadrius bistriatus* Wagl., *Isis* 1829 p. 648 (*hab.* Mexico, locis planis inter lacunas sitis).

Caicara: ♂ ♀ 3. iii. '98. "Iris lemon-yellow; feet olive-yellow; bill black, yellowish olive-buff at base." (Nos. 10365, 10366 Cherrie coll.)

\* It is important to compare a series from Cayenne. Daubenton's picture does not apparently quite suit the birds from British Guiana.



453. *Parra* \* *jacana* Linn.

*Parra jacana* Linn., *Syst. Nat.* Ed. XII. (1766) p. 259 pt. "Am austr." [ex Marcgr. & Edw.—hab. Surinam (fide Edw.)].

Altagracia : ♂ 26. i., ♀ ♀ 3, 26, 29. i. '98.

Quiribana de Caicara : ♀ 26. iv., ♀ juv. 26. iv. '98.

"Iris slate-grey ; feet dusky olive yellow ; shield maroon purple ; bill ochre-yellow."

(Nos. 9493, 9834, 9835, 9904, 10836, 10837 Cherrie coll.)

Snapure : ♀ ♀ 1. vi. '99 (Klages).

Mato River : ♂ ♂ 25. ii., 9. iii. 1900 (Klages).

454. *Hoploxypterus cayanus* (Lath.).

*Charadrius cayanus* Lath., *Ind. Orn.* II. (1790) p. 749 (ex Buff., typ. ex Cayenne).

Ciudad Bolivar : ♀ 10. viii. '98 (Klages).

Mato River : ♀ ♀ 25. ii., 6. iii. 1900 (Klages).

Altagracia : ♂ ♂ 13, 18. xi., 1. xii. (bis) '97, 12. i. '98.

Caicara : ♂ ♂ 11, 19. iii., 5. (ter) (moulting) vii., 5. viii. (bis), ♀ ♀ 5, 10. viii. '98.

"Iris seal-brown ; feet scarlet (flame-scarlet) ; bill black ; eyelids scarlet ; claws black."

(Nos. 8604, 8605, 8952, 8953, 9966, 10527, 11051, 11052, 11053, 11069, 11070, 11071, 11102 Cherrie coll.)

455. *Belonopterus cayennensis* (Gm.).

*Parra cayennensis*, Gm., *Syst. Nat.* I. 2 (1788) p. 706 (ex Buff.—Cayenne).

Altagracia : ♂ ♂ 25. i. '98, 10. xii., ♀ ♀ 12, 30. xi., 10. xii. '97.

Caicara : ♂ ♂ 23. ii., 11. iii., 5. viii., ♀ ♀ 23. ii., 11. iii., 5. viii. '98.

Quiribana de Caicara : ♀ ♀ 5, 13. iv. '98 (♀ de 5. iv. egg in oviduct).

"Eye lake-red ; eyelids and chin lilac ; feet indian purple ; bill black at tip, lilac at base."

(Nos. 8584, 8939, 9123, 9124, 9822, 10228, 10229, 10449, 10450, 10621, 10708, 11072, 11073 Cherrie coll.)

456. *Aegialitis collaris* (Vieill.).

*Charadrius collaris* Vieill., *Nour. Dict.* xxvii. (1818) p. 136 (ex Azara—Paraguay).

Altagracia : ♂ ♂ 17, 24, 31. i., ♀ 5. ii. '98.

"Eye seal ; feet black ; bill black."

(Nos. 9732, 9785, 9913, 10024 Cherrie coll.)

457. *Helodromas solitarius* (Wils.).

*Tringa solitaria* Wils., *Am. Orn.* VII. (1813) p. 53 Pl. 58 f. 3 (Hudson's Bay).

Ciudad Bolivar : ♂ ♀ 10. viii. '98 (Klages).

Altagracia : ♂ ♂ juv. 1. xii. '97, 25, 26. i., ♀ juv. 26. i. '98.

Caicara : ♂ juv. 21. x. '98.

\* We see no difficulty in adopting *Parra* Linné with the type *P. jacana*, inasmuch as we refuse Brisson's names of genera which are no genera in the Linnéan sense.

“Eye seal ; feet sage-green ; bill blackish.”  
(Nos. 8951, 9588, 9816, 9830, 9831, 11246 Cherrie coll.)  
Suapure, Caura R. : ♂ 14. ix. '99 (Klages).

458. *Totanus flavipes* (Gm.).

*Scolopax flavipes* Gm., *Syst. Nat.* I. 2 (1788) p. 659 (ex Lath. & Penn. typ. “ex Novemboraco”).

Altagracia : “♂” (juv.) 26. i. (bis), ♀ juv. 8. i. '98.  
“Eye seal ; feet dusky olive yellow ; bill blackish.”  
(Nos. 9589, 9832, 9833 Cherrie coll.)

459. *Totanus melanoleucus* (Gm.).

*Scolopax melanoleucus* Gm., *Syst. Nat.* I. 2 (1788) p. 659 (ex Pennant—*hab. auctumno in arenis littoris Labrador*).

Altagracia : ♂♂ 7. xi. '97.  
(Nos. 8506, 8507 Cherrie coll.)

460. *Tringoides macularia* (Linn.).

*Tringa macularia* Linn., *Syst. Nat.* Ed. XII. 1 (1766) p. 249 (ex Edw.—*Europa errore—et “Am. septr.”* sc. Pensilvania fide Edw.).

Ciudad Bolivar : ♂ 10. xii. '98 (Klages).  
Altagracia : “♀” (juv.) 16. xii., ♂ juv. 30. xi. '97.  
Caicara : ♂♂ ad. 14. iii., 27. x., ♂♂ juv. 17. iii., 22. x., “♀♀” (juv.) 15. iii., 23, 27. x. '98.  
“Eye dark sepia ; feet light greenish olive : bill blackish (bill blackish dusky smoke-grey at base of mandible).”  
(Nos. 8938, 9245, 10485, 10490, 10506, 11252, 11258, 11267, 11268 Cherrie coll.)  
Suapure, Caura R. : ♀ 14. ix. '99.

461. *Gallinago paraguaiæ* (Vieill.).

*Scolopax paraguaiæ* Vieill., *Nouv. Dict.* III. (1816) p. 356 (ex Azara—Paraguay).  
*Gallinago frenata* (Licht.) Sharpe, *Cat. Birds* XXIV. (1896) p. 646.

Altagracia : ♂♂ 27. xi., 18. xii. '97, 4. i. '98, ♀ 24. xii. '97.  
Quiribana de Caicara : ♂♂ 29. (bis), 30. iv. '98.  
Munduapo : ♂ 1. iii. '99.  
“Eye sepia ; feet dusky (dusky slate, dusky yellowish) ; bill, raw umber at base, blackish at tip.”  
(Nos. 8883, 9286, 9361, 9550, 10870, 10871, 10884, 12140 Cherrie coll.)  
Our Orinoco birds agree perfectly with specimens from Bahia (Eastern Brazil), Rio Grande do Sul and Paraguay. See also Berlepsch's remarks in *J. f. O.* 1887 p. 36, where it is pointed out that *S. frenata* Licht. is a pure synonym of *G. paraguaiæ* (Vieill.), and that the specimens with very short bills which occur in Eastern and Southern Brazil along with the long-billed ones ought to receive a new name unless they be not young birds of the long-billed ones.

462. *Cairina moschata* (L.).

*Anas moschata* Linn., *Syst. Nat.* Ed. X. (1758) p. 124 (India\* et domest. (ex Gesner) Albin., etc.)

Altagracia: ♂ 26. iv., ♀ ♀ 8. i. '98, 9. xii. '97.

Quiribana de Caicara: 27. iv. '98.

“Eye seal-brown (raw number); bill black; feet black.”

(Nos. 9111, 9587, 10825, 10849 Cherrie coll.)

Mr. André says it is called in Venezuela “Pato real.” It is common on the Caura River, and perches frequently on trees.

463. *Dendrocygna discolor* Sel. & Salv.

*Dendrocygna discolor* Sel. & Salv., *Nomencl. ar. Neotr.* (1873) pp. 129, 161 (ex Venezuela, etc.).

Altagracia: ♂ ♂ 7, 9, 11, 18. (bis) xii.; ♀ ♀ ad. 27. xi., 11, 16. xii. '97, 26. i. '98;  
♂ ♂ juv. 21. xii. '97 (bis).

“Eye seal-brown; feet whitish flesh-colour; bill pinkish vinaceous; nail dusky Nile-blue.”

(Nos. 8674, 8909, 9080, 9112, 9148, 9149, 9150, 9243, 9289, 9336, 9337, 9842 Cherrie coll.)

One *female* (26. i. '98) has the black abdomen mixed with small whitish spots, and the young *male* (21. xii. '97) with a blackish bill show no black whatever on the belly, which is of a uniform brownish white.

One adult *male* (no. 9080) has the upper part of the back rufous, only merging into greyish near the upper border of the deep rufous-chestnut upperside. The chest is also much more chestnut-rufous, and this specimen stands thus somewhat in the middle between *D. autumnalis* and *D. discolor*.

464. *Alopochen jubatus* (Spix).

*Anser jubatus* Spix, *Ar. Bras.* II. (1825) p. 84. tab. 108 (insula Praya das Onças ad ripam fl. Solimoes).

Altagracia: ♂ ♂ ad. 7, 16, 25, 28. xii. '97, 3, 14. i. '98; ♀ ♀ 4, 29. xi., 18. xii. '97, 5. i. '98 (bis).

“Iris seal-brown; feet vermilion (dark crimson); bill black, reddish at angle of commissure (black above tip, below base purplish black colour).”

(Nos. 8454, 8910, 9079, 9242, 9290, 9386, 9433, 9434, 9489, 9524, 9525, 9690 Cherrie coll.)

465. *Nettion brasiliense* (Gm.)

*Anas brasiliensis* Gm., *Syst. Nat.* I. 2 (1788) p. 517 (♀, ex Brasilia).

Quiribana de Caicara: ♂ ♀ ad. 30. iv. '98. “Iris seal; feet vermilion; bill dark maroon in the *male*, black in the *female*.”

(Nos. 10891, 10892 Cherrie coll.)

\* We substitute Brasilia.

466. *Phaethusa magnirostris* (Licht.).

*Sterna magnirostris* Licht., *Doubl. Verz.* (1823) p. 81 (typ. ex Brazil—Mus. Berol.).

Altagracia : ♀ ♀ ad. 6, 29. xi. '97.

Caicara : ♂ ♂ ad. 24. ii., 8, 14. iii. ; ♂ ♂ juv. 8. 14. iii. ; “ ♀ ♀ ” ad. 4, 5. (bis), 10, 14 (bis) iii. '98.

“ Iris seal ; feet sulphur yellow ; bill canary, brightest at base.”

(Nos. 8595, 8923, 10250, 10380, 10385, 10386, 10412, 10413, 10439, 10479, 10480, 10481, 10482 Cherrie coll.)

La Pricion, Caura R. : ♀ ad. 10. ii. 1901 (André coll.)

467. *Sterna superciliaris* Vieill.

*Sterna superciliaris* Vieill., *Nour. Dict. d'Hist. Nat.* XXXII. (1819) p. 126 (ex Azara—Paraguay).

Caicara : ♂ ♀ 5. iii. '98. “ Iris seal : bill dark naples yellow ; feet dusky sulphur-yellow.”

(Nos. 10387, 10388 Cherrie coll.)

468. *Rhynchops nigra cinerascens* (Spix) (?).

[*Rhynchops nigra* Linn., *Syst. Nat.* Ed. X. (1758) p. 138 (ex Catesby—Carolina).]

*Rhynchops cinerascens* Spix, *Aves Brasil* II. (1825) p. 80 pl. 102. (Hab. : In locis ripariis fl. Amazonum.) (There is not sufficient reason to reject Spix's name. It is true that he only described immature birds, and that the character stated to distinguish them from *Rh. nigra* were those of the young birds : but there is no doubt that he described the young of the South American bird, and not that of *Rh. nigra*).

Caicara : ♂ 15. iii. '98. “ Iris dusky, feet orange-vermilion, bill blackish, base orange-chrome.” (No. 10493 Cherrie coll.)

This bird, which appears to be adult, differs from *Rh. cinerascens* (= *melanura* Sw.) in the lighter whitish ashy under wing-coverts, wider white tips to the secondaries (about half an inch), and wider (about one-tenth of an inch) white edges to the rectrices. They stand thus between *Rh. cinerascens* (= *melanura*) and *Rh. intercedens*, which has the secondaries white for more than an inch, slightly wider white edges to the rectrices, and white under wing-coverts. Mr. Saunders describes (*Cat. B.* XXV. p. 157) a similar specimen from Cozumel Island.

Probably these birds belong to a fourth American species or subspecies, but a skin from Cumana in Mns. Rothschild seems to agree with true Brazilian *cinerascens* = *melanura*. Mr. Saunders includes the Orinoco in his localities for *melanura*, but it is not apparent that he has examined specimens from that river.

## CONCLUDING REMARKS.

The avifauna of the Orinoco region has hitherto been very imperfectly known, and consequently the foregoing article will be of some importance to the students of South American ornithology.

When Messrs. Cherrie and Klages went out to the Orinoco it was our hope that at least one of them would be able to proceed to the unexplored tableland

and mountain ranges forming the watershed between the basins of the Amazon and Orinoco rivers, marked as the "Sierra Parima" on the maps; but the many difficulties mentioned at the beginning of our article prevented them from doing so.

Nevertheless the results of their collecting, together with those gained from the collection of birds made on the Caura River by Mr. E. André, are very satisfactory. The number of species contained in the three collections is considerable, and not only are there among them a fair proportion of hitherto undescribed and rare forms, but many others, the occurrence of which in the Orinoco region is of special zoogeographical interest.

The forms from **Ciudad Bolívar** (or Angostura) and **Altagracia** are those of the Lower Orinoco, more or less well known from the delta of that great river. At **Caicara**, where the Orinoco, receiving the large Apure river, whose waters drain the Venezuelan Andes, bends its course from a northerly direction in a right angle to the east, and at **Perico** and **Maipures**, on the upper part of the Orinoco, the proportion of forms principally and often hitherto only known from Upper Amazonia and the eastern Andes is most interesting.

On the other hand, the ornithology of the **Caura River**, a mighty affluent to the Lower Orinoco from the south (birds being received from the places called Suapure, Temblador, La Pricion, La Union, and the lower portion of the Nicare river, a few miles from its junction with the Caura), resembles more closely that of British Guiana, so well explored by Schomburgk, the late H. Whitely, and others, while quite a number of forms are of other most interesting origin and new to science.

Unlike the affluents of the left bank, like the Meta and Apure, which flow for their greater part through level prairie country, those on the right, especially the Caroni and Caura, rush through a hilly country of dense forests and numerous isolated mountains and hill-ranges, and their navigation is difficult and dangerous, as illustrated by the mishaps of Mr. André. The lower course of the Caura is known as the principal district from whence the Tonka bean of commerce, *i.e.* the dried seed of the fruit of *Dipterix odorata*, is collected and exported.\*

It will be noticed that, instead of quoting the best-known works, as is frequently done now, such as the *Catalogue of Birds* and others, where everybody knows that the bird is described or mentioned, and where every one can look up its description without an extra reference to it, we have in every case quoted **the original description, which is the basis of our knowledge of each particular form.** We have, however, not merely quoted it, but we have looked it up, critically considered its meaning and value, and quoted **the first original locality** given. Where no locality is stated in the first description, or where the given locality is vague or erroneous, **we have added or substituted a sufficiently exact "habitat"** as a starting-point. These additions and substitutes are not arbitrarily chosen, but always those that are the actual or the most likely ones whence the types have come, as apparent from the history of collections, from the travels of collectors, and the distribution of the various forms. Our substituted localities are therefore not only of value for the present work—inasmuch as they indicate that particular form with which we have compared, or tried to compare, the specimens before us, when deciding about their subspecific relations—but **we expect them to be accepted as the starting-point for future work** also. If new forms of a former customary

\* We learn that a book on the Caura River, its history, products and nature, by Mr. André, illustrated by photographs and maps, is in print; and we see from some proof-sheets which the author sent to Tring that frequent references to the more conspicuous and important birds are made in the work.